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**INTELLIGENCE AND ELECTRONIC
WARFARE (IEW) STREAMLINING
PROJECT**

**Volume III
Reference Documentation (Part 1)
September 1, 1992**

93-28985



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9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Army Communications-Electronics Command Intelligence Materiel Management Center (USACIMMC), ATTN: SELIM-IEW, Vint Hill Farms Station, Warrenton, VA 22186-5277			10. SPONSORING/MONITORING AGENCY REPORT NUMBER	
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13. ABSTRACT (Maximum 200 words) Purpose of study was to recommend improvements in logistics support for Army intelligence and electronic warfare (IEW) equipment. Report analyzes existing sustainment system and recommends a number of systemic improvements to integrate and streamline the sustainment of IEW materiel. The recommended objective concept includes centralized control of regional sustainment assets (including contracts providing sustainment) under Army Materiel Command; organizational changes to integrate soldier, civilian, and contract resources; improved distribution and control of spares; improved deployment capability; and provisions to enhance technology transfer between contractors, civilians, and soldiers. The IEW Streamlining Study Sustainment Analysis Report consists of four volumes, some multipart. Volume IV, which is classified, may be obtained from the Defense Technical Information Center, Cameron Station, Bldg. 5, ATTN: Acquisition-OCP, Alexandria, VA 22304-6145. Study documents are as follows: <ul style="list-style-type: none"> ▪ Volume I, Sustainment Analysis Report, revised 30 Oct 92 ▪ Volume II, Directives and Related Study Documents, revised 18 Nov 92 ▪ Volume III, Reference Documentation (Part 1), 1 Sep 92 ▪ Volume III, Reference Documentation (Part 2), 1 Sep 92 ▪ Volume III, Reference Documentation (Part 3), 1 Sep 92 ▪ Volume III, Reference Documentation (Part 4), 1 Sep 92 ▪ Volume III, Reference Documentation (Part 5), 18 Nov 92 ▪ Volume IV, Systems Sustainment (Part 1)(classified), 1 Sep 92 ▪ Volume IV, Systems Sustainment (Part 2)(classified), 1 Sep 92 				
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IEW STREAMLINING PROJECT

Volume III

Reference Documentation (Part 1)

Submitted By:

**BDM International, Inc.
Newport News, Virginia**

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Under Contract Number OPM-91-2964 With DTIC QUALITY INSPECTED 5
U.S. Office of Personnel Management
Office of Employee Development Policy and Programs
Training Assistance and Organizational Development Division

Project Title: Logistics Support
Work Order: 7064-002
Project Code: 02T02K

September 1, 1992

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Appendix A

***CIMMC MFR, undated, Subj: IEW Study: 11 Dec 91 HQ DA IPR
Minutes***



DEPARTMENT OF THE ARMY
U. S. ARMY CECOM INTELLIGENCE MATERIEL MANAGEMENT CENTER
VINT HILL FARMS STATION
WARRENTON, VIRGINIA

22186-5270

REPLY TO
ATTENTION OF

SELIM-IEW (700)

MEMORANDUM FOR RECORD

SUBJECT: IEW Study: 11 Dec 91 HQ DA IPR Minutes

1. The first HQ DA IPR was conducted as scheduled on 11 Dec 91, 0900-1100, Room 3E561, at the Pentagon, Washington, D.C. This IPR was introductory in nature, hosted by DA DCSOPS, DAMO-FDI. The list of attendees are provided as enclosure 1. The agenda for this IPR follows:

- | | |
|-------------------|----------|
| - Opening Remarks | DAMO-FDI |
| | HQ AMC |
| - Background | USACIMMC |
| - Study Plan | USACIMMC |
| Scope | |
| Objectives | |
| Time Frame | |
| - Open Discussion | TEAM |

2. The AMC lead proponent, USACIMMC, briefed the AMC study concept. There were no immediate objections to the plan by the participants. As a follow-on, open and unstructured discussion was held highlighted as follows:

a. Amid discussion concerning a need to include SOCOM, SEMA and Counter-Drug (SOUTHCOM) as active elements of the study, DA DCSOPS stated there was no intent to exclude the interest of all MACOMs and explained the rationale for the current MACOM representation:

- (1) TRADOC - Doctrine representation
- (2) INSCOM - Echelons Above Corps (EAC) representation
- (3) FORSCOM - Echelons Corps and Below (ECB) representation

In conclusion, AMC was given authority to pull in other representation deemed appropriate.

b. Additionally, DA DCSOPS advised the group the VCSA would be looking at the results of this study for applications beyond IEW. The findings and recommendations will be presented to a General Officer Steering Committee (GOSC) comprised of the DA

SELIM-IEW

SUBJECT: IEW Study: 11 Dec 91 HQ DA IPR Minutes

DCSOPS, DCSLOG and DCSINT. The GOSC will look hard at the output before they send recommendations forward to the VCSA. The integrity of data sources and consideration of USER (customer) input will be critical.

c. AMC requested system termination data to feed the study group, DA committed to being responsible for providing this input during the course of the study as positions firm up.

d. DA recommended the target equipment set such as: Standard Systems (TSQ-138, MLQ-34, TRQ-32, PRD-10, PRD-11, GUARDRAIL COMMON SENSOR), Low Density (TCAC, OUTS), Non-Standard (FAISS, SANDC LAB, TROJAN SPIRIT, GOLDWING) and ASPO (THMT, IPDS). A strawman equipment set will be coordinated for MACOM comment.

e. With respect to the study plan, considerable discussion was held concerning the stated scope/problem statement. Some participants felt significant sustainment concerns would be missed if the focus was held to Desert Shield/Storm. Advising the group risked "getting a mile wide and an inch deep" DA DCSOPS reiterated the VSCA charge "... how to integrate and streamline battlefield sustainment of IEW operations on a dynamic austere battlefield, with particular focus on support to key, advanced technology NDI and prototype systems (MSG, DACS-ZB, DTG 0120000Z Nov 91, para. 2)." In addition, INSCOM discussed the need for the application of quantifiable measures of sustainment resource costs (dollars and manpower) along with readiness objectives. INSCOM also recommended the study to consider efforts on going within AMC on Horizontal Distribution Systems, an LEA study on Forward Support and the Total Army Supply Master Plan.

f. The FORSCOM position for future sustainment is to rebuild the organic capability with specific emphasis on the GS maintenance capability. Significant drivers of this position include untapped green suit capability and expertise, and with stock funding changes the need to repair assets at the GS level and below. In concert with this position, DA DCSOPS stressed the heart of this study is green suit/contractor interface and where it meets on the battlefield.

g. As evidenced throughout the open discussion period, the interplay of current and future doctrine will be significant.

h. DA DCSINT, LTC Knight, reminded the group of the opportunity, given the VCSA charter and group expertise, to leap forward in sustainment of INTEL as we look to support the 97 MI Architecture.

SELIM-IEW

SUBJECT: IEW Study: 11 Dec 91 HQ DA IPR Minutes

i. In closing, Mr. Scheuble agreed to formally staff the study plan for detailed comment from the team.

3. Immediate follow-on actions to be taken follow:

a. Administrative.

(1) Establish 12 month calendar to include IPRs rotating locations between MACOMs.

(2) Establish security clearances at each MACOM. Principal members are to possess clearances at the TS/SI/TK levels.

(3) Collect and disseminate general administrative information on participants (names, offices, DSN/commercial phone number, FAX number, E-Mail address, etc.).

b. Formal staffing of initial AMC Study Plan to all MACOMs.

c. Define equipment set for study.

d. Develop system profile characteristics format.

e. Initiate profile data call.

f. Initiate doctrinal sustainment (maintenance/supply) flows.

4. Point of contact for these minutes is the undersigned, USACIMMC, SELIM-IEW, DSN 229-6340, or commercial (703) 349-6340.

Encl

DENNIS F. DUTTON
Secretariat, IEW
Study Team

CF:

INSCOM, IALOG-R (Mr. Demy)
FORSCOM, FCJ2-AS (Mr. France)
TRADOC, ATSI-CDM-C (CPT Grossi)
HQDA, DAMO-FDI (MAJ Thompson)
HQDA, DALO-SMC (Mr. Demchak)
HQDA, DAMI-PII-I (LTC Knight)
HQ AMC, DCSLOG-SI (Mr. Shelton)
PEO-IEW, SFAE-IEW-SE (Mr. Hume)

SELIM-IEW

SUBJECT: IEW Study: 11 Dec 91 HQ DA IPR Minutes

CF:

AMSEL-LC

AMSEL-LC-SM-S2 (Mr. Travisano)

USACIMMC, SELIM-DIR (Mr. Scheuble)

USACIMMC, SELIM-IEW (Mr. Riddle)

IEW SUSTAINMENT STUDY
HQ DA IPR 11 DEC 1991

ATTENDEES:

<u>NAME</u>	<u>ORGANIZATION</u>	<u>PHONE#</u>
*Larry Scheuble	USACIMMC, SELIM-DIR	DSN 229-5011 703 349-5011
*Dennis Dutton	USACIMMC, SELIM-PA	DSN 229-6340 703 349-6340
*CPT Mike Grossi	USAIC&FH, ATSI-CDM-C	DSN 879-2275/75 COMM 602-538-2274/75
Michael A. Trivisano	CECOM, AMSEL-LC-SM-S2	DSN 992-5108 COMM 908-532-5108
Stephen R. Knapp	INSCOM, IALOG-ST	DSN 229-2080
*Robert Demy	INSCOM, IALOG-R	DSN 229-1746
LTC Bruno	AMC, DCSLOG-SI	DSN 284-5464
Marvin Iscom	AMC, DCSLOG-SI	DSN 284-5464
BK Swenson	CECOM, AMSEL-LC-SM-S2	DSN 992-5108
David Skinner	FORSCOM, FCJ4-SME	DSN 367-7253
MAJ(P) Lew Thompson	HQ DA, DAMO-FDI	DSN 225-4256
Helmut J. Schelenz	HQ DA, DALO-SMC	DSN 225-3280
LTC Knight	HQ DA, DAMI-PII-I	DSN 223-2037
MAJ Brophy	HQ DA, DAMI-CIC	DSN 225-8907
*Charles R. France	FORSCOM, FCJ2-AS	DSN 797-5686

* Study Team Principals

Enclosure 1

Appendix B

***CIMMC Memo, 17 Dec 91, Subj: IEW Sustainment Study: 11 Dec 91
HQ DA IPR Follow-up***



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U.S. ARMY CECOM INTELLIGENCE MATERIEL MANAGEMENT CENTER
VINT HILL FARMS STATION
WARRENTON, VIRGINIA

22186-5276

S: 3 Jan 91 (Admin Info)
8 Jan 91 (Minutes)
10 Jan 91 (Study Plan)
15 Jan 91 (Equip. Sets)

SELIM-PA

DEC 17 1991

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: IEW Sustainment Study: 11 Dec 91 HQ DA IPR Follow-up

1. The purpose of this memorandum is to disseminate minutes and initiate requests for data. Per agreement during subject IPR this package is being provided to DA Staff and MACOM principals who will make appropriate internal MACOM distribution.
2. The minutes of the 11 Dec 91 DA IPR are provided at enclosure 1 for your review and comments. These minutes will be considered draft until 8 Jan 92 to allow for your input and/or corrections. Pending open comments at that time, these minutes will be considered final. Future minutes of IPRs/work sessions will follow the same process. Three weeks will be allowed for comment prior to being established as final record documents.
3. You are requested to complete enclosure 2 administrative data call and data fax return NLT 3 Jan 92. A completed data base will be subsequently provided back to you NLT 10 Jan 92 by the undersigned.
4. The study plan briefed during the 11 Dec IPR is provided at enclosure 3. I request you review and return comments NLT 10 Jan 92. Your comments should be complete to include fully stated recommended changes to ensure proper representation of your ideas to the full team for consideration. Upon completion of general structure, detailed events will be incorporated into the milestone chart as appropriate. Please note Section V, paragraph B.3 refers to an attachment 1 which has not been provided. This attachment will be the established Equipment Set and baselined System Profile data which will be added to the plan.
5. Enclosure 4 provides the DA DCSOPS suggested Equipment Set. Please provide any nonconcurring comments to systems listed and identify additional systems for consideration as appropriate NLT 15 Jan 92.
6. A strawman System Profile data list will be released by 20 Dec 92 for your review and comments.

SELIM-PA

SUBJECT: IEW Sustainment Study: 11 Dec 91 HQ DA IPR Follow-up

7. The next working session will be held at USACIMMC, Vint Hill Farms Station, 30-31 Jan 29 from 0800-1600. A tentative agenda for this session follows:

30 Jan 92

0800-0815 Welcome, Opening Remarks
0815-0830 General Administrative Remarks
0830-1130 Study Plan Discussions
1130-1300 Lunch
1300-1430 Equipment Set Discussions
1430-1600 Briefing: VSI Technology - USACIMMC

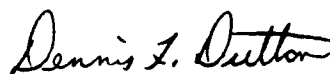
31 Jan 92

0800-1000 System Profile Data Discussions
1000-1130 Briefing: Electronic Maintenance Co.-
TRADOC
1130-1300 Lunch
1300-1500 Open Discussion
1500-1600 Summary/Follow-on Actions

8. Your comments are requested concerning the frequency of future work session. A proposed schedule is provided at enclosure 5.

9. Point of contact for additional information is the undersigned at, USACIMMC, SELIM-PA, DSN 229-6340/Commercial (703) 349-6340.

10. CECOM Bottom Line: THE SOLDIER.



DENNIS F. DUTTON
Secretariat, IEW
Study Team

5 Encl

1. Memo (11 Dec IPR Minute)
2. IEW Administrative Data Call
3. Study Plan
4. IEW Equipment Set
5. IEW Workgroup/IPR Schedule

DISTRIBUTION:

USACIMMC, SELIM-DIR (Mr. Scheuble)
HQ DA, DAMO-FDI (Maj Thompson)
HQ DA, DALO-SMC (Mr. Demchak)
HQ DA, DAMO-PII-I (LTC Knight)
HQ AMC, DCSLOG-SI (Mr. Shelton)
INSCOM, IALOG-R (Mr. Demy)
FORSCOM, FCJ2-AS (Mr. France)
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SELIM-PA

SUBJECT: IEW Sustainment Study: 11 Dec 91 HQ DA IPR Follow-up

CF:

PEO-IEW, SFAF9IEW-SE (Mr. Hume)

AMSEL-LC

AMSEL-LC-SM-S2 (Mr. Travisano)

SELIM-C (Mr. Riddle)

DRAFT UNTIL 8 JAN 92

SELIM-PA

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Enclosure 1

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Enclosure 1

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Enclosure 1

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DENNIS F. DUTTON

Secretariat, IEW

Study Plan

Enclosure 1

**IEW SUSTAINMENT STUDY
HQ DA IPR 11 DEC 1991**

ATTENDEES:

<u>NAME</u>	<u>ORGANIZATION</u>	<u>PHONE#</u>
*Larry Scheuble	USACIMMC, SELIM-DIR	DSN 229-5011 703 349-5011
*Dennis Dutton	USACIMMC, SELIM-PA	DSN 229-6340 703 349-6340
*CPT Mike Grossi	USAIC&FH, ATSI-CDM-C	DSN 879-2275/75 COMM 602-538-2274/75
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LTC Bruno	AMC, DCSLOG-SI	DSN 284-5464
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LTC Knight	HQ DA, DAMI-PII-I	DSN 223-2037
MAJ Brophy	HQ DA, DAMI-CIC	DSN 225-8907
*Charles R. France	FORSCOM, FCJ2-AS	DSN 797-5686

* Study Team Principals

Enclosure 1 to
Enclosure 1

IEW SUSTAINMENT STUDY
ADMINISTRATIVE DATA CALL

MACOM:

NAME:

SECURITY CLEARANCE:

ADDRESS:

VOICE:

DSN:

COMMERCIAL:

CLASSIFIED FAX:

DSN:

COMMERCIAL:

E-MAIL ADDRESS:

NOTES:

1. Return by Data FAX to: USACIMMC, SELIM-PA, Dennis Dutton,
FAX number (703) 349-0023.
2. Request security clearances be permanently certified through
31 December 1991 and passes as follows:

Up to TS: Data FAX to USACIMMC SECURITY MANAGER
FAX Number (703) 349-0023

SCI/TK: Send to SSO, Vint Hill Farms Station,
Warrenton, Virginia 22186

Enclosure 2

IEW SUSTAINMENT STUDY
ADMINISTRATIVE DATA CALL

MACOM: U.S. Army Materiel Command; CECOM Intelligence Materiel Management Center

NAME: Dennis Dutton

SECURITY CLEARANCE: TS/SI (90 Day TK Read On)

ADDRESS: Director, USACIMMC
ATTN: SELIM-PA (D. Dutton)
Building 268, M/S #76
Vint Hill Farms Station
Warrenton, VA 22186-5276

VOICE

DSN: 229-6340
COMMERCIAL: (703) 349-6340

CLASSIFIED FAX (VHFS COM CENTER)

DSN: 229-5243
COMMERCIAL: (703) 349-5243

E-MAIL ADDRESS:

selimps@alexandria-emhl.army.mil

NOTES:

1. Return by Data FAX to: USACIMMC, SELIM-PA, Dennis Dutton, FAX number (703) 349-0023.
2. Request security clearances be permanently certified through 31 December 1991 and passes as follows:

Up to TS: Data FAX to USACIMMC SECURITY MANAGER
FAX Number (703) 349-0023

SCI/TK: Send to SSO, Vint Hill Farms Station,
Warrenton, Virginia 22186

Enclosure 2

STUDY PLAN

INTELLIGENCE AND ELECTRONIC WARFARE (IEW) BATTLEFIELD SUSTAINMENT

I. BACKGROUND AND PROBLEM.

A. Problem Synopsis and Probable Causes.

1. Problem: The present day Intelligence environment, which employs multiple combat and materiel developers, has burdened the using community with multiple sustainment mechanisms fragmenting the overall sustainment mission. Operation Desert Shield/Storm (DSS) brought to the forefront these diverse support channels for intelligence equipment. To meet the needs of particular users, a multitude of processes and organizations spanning numerous command and control lines have materialized. Individual major Army commands (MACOM) often use their own support systems for materiel supply, maintenance, training and documentation. This fragmentation has resulted in:

a. A myriad of non-integrated logistics processes for Military Intelligence (MI) units to cope with support for intelligence equipment.

b. High cost associated with logistics support.

c. Reliance on "peacetime" contractor dependent sustainment which proves burdensome in contingency operations.

d. Multiple, non-integrated support contractors in close proximity to one another in support of common intelligence users.

Left unchecked, this situation will continue to deteriorate. Therefore, the specific focus of this study is to improve effectiveness and efficiency through streamlining/centralization of the sustainment structure.

2. Causes:

a. Rapid advancement in the threat technology base has driven emphasis in exploiting capabilities and opportunities readily available through the acquisition and integration of emerging non-developmental technologies. The Army standard system lifecycle model is a long term effort and simply not suitable for rapid technology insertion. Non-developmental and advance technology engineering developmental models and experimental efforts are focused on proof of principal with limited sustainment capability incorporated in the acquisition process. As a result, life-cycle sustainment decisions are

generally characterized with dependency on Original Equipment Manufacture (OEM) contract sustainment support through off-line processes.

b. In the interest of providing the battlefield commander with the best technology available to achieve mission requirements during contingency operations, systems have been deployed which were initially designated for training and experimental purposes. These non-standard systems with their unique support arrangements add increased dimensions to wartime support planning and implementation.

c. Low density syndrome is classically associated with highly complex, high cost, low quantity systems. This mindset fosters perceptions of standard USAMC wholesale systems being non-responsive to maintenance and supply needs to maintain desired levels of system readiness. Dollar value and limited numbers of supply assets coupled with this perception has yielded MACOM establishment of off-line support mechanisms to provide for intensive management of sustainment assets.

d. Intelligence capabilities are often closely protected and "need to know" protectionism can be a contributing factor in establishment of off-line sustainment criteria.

B. Dimensions of the Problem Area. DA-wide.

C. Factors for Maximization. Institutionalization of a standard streamlined support process for IEW would provide increased readiness rates, increased quick reaction capability, increased control and flexibility, decreased resource requirements and decreased space requirements.

D. Limiting and Restricting Factors. Several factors of concern are identified as influential in the ultimate outcome and successful implementation of the study recommendations.

1. TIME. In an attempt to scope this study to approximately one year duration and provide for thorough coordination with the participatory MACOM and DA Staff representation, in depth analysis will not be feasible across the entire breadth of intelligence sustainment. To that end, where necessary, the study group may recommend specific elements for follow-on analysis as a means for continuous improvement to the sustainment base.

2. RESOURCES. As this study effort is out of cycle and not reflected in prior FY92 programming decisions, funding and resource issues which surface during the course of this study will be addressed during IPRs for resolution.

3. SECURITY. TBD

4. CONTRACTUAL OBLIGATIONS. TBD

5. CURRENT PLANNING DOCUMENTATION. Due to the recent changes in the nature of the threat, much of Army's planning documentation is no longer current and in the process of being up-dated. To a great extent, the up-dates are being driven by a mandated reduction in force and resulting restructure within Army. As a result, a formal relook is presently being conducted on several areas of military intelligence including force structure. The outcome of this relook as well as the composition of other planning documents are pertinent to the development of an efficient and effective support structure for IEW. The study group will utilize the most current documents available; however, some risk is assumed that changes may be effected subsequent to conclusion of the study.

II. SCOPE. This study must include, but is not limited to, the following organizations within the Department of the Army: Army Materiel Command (AMC), Training and Doctrine Command (TRADOC), Forces Command (FORSCOM) and Intelligence and Security Command (INSCOM), Program Executive Officer for Intelligence and Electronic Warfare (PEO-IEW), other DA-level elements. The timeframe allotted to this effort is thirteen (13) months with results and recommendations being due no later than 15 Aug 92 with interim in-process reviews (IPR) having been conducted on a sixty (60) day basis beginning 15 Dec 91. This will be followed by an implementation plan development phase based upon final approval of recommendations.

III. AUTHORITY. VICE Chief of Staff of the Army

IV. OBJECTIVES. Lessons learned from DSS indicate that the time is right to conduct a thorough analysis of IEW logistics streamlining. With the proliferation of non-developmental and prototype advanced technology, contractor support has become a key consideration on the airland battlefield. Declining resources necessitate that we achieve economies of scale where possible in order to reduce costs. Common sense tells us that soldiers in battle need clear channels of responsibility for repair of crucial systems. Therefore the objective of this analysis is to determine how to integrate and streamline battlefield sustainment of IEW operations on a dynamic and austere airland battlefield, with particular focus on support to key advanced technology NDI and prototype systems the ultimate result of which will be to increase readiness while decreasing costs.

V. METHODS.

A. Development of a streamlined support structure must encompass consideration of the following:

1. Incompatibility of the non-standard requirements of low density/high intensity IEW equipment with the standard Army support structure.

2. Requirements of established peacetime support channels versus wartime reality, particularly highlighting contractor dependency both at the field and depot level.

3. Compliance with the Defense Management Review Decision (DMRD) focused on streamlining and consolidation to increase effectiveness and efficiencies within DoD.

B. The end products of this study must include, at a minimum, the following:

1. Documentation of current intelligence equipment sustainment flow, encompassing maintenance, supply and technical documentation, for both peacetime and wartime across various intelligence disciplines and theaters of operations for active and reserve components.

2. Comparison/contrast of standard Army sustainment versus intelligence equipment sustainment flows for both peacetime and wartime for maintenance, supply and technical documentation.

3. Analysis of the current intelligence sustainment situation for effectiveness and efficiencies considering timeliness, cost, simplicity (user friendliness), duplication and customer satisfaction. This analysis must include, at a minimum, all equipments and categories listed in Attachment 1.

4. Recommendation of new concepts or modifications to the present logistics structure considering all information obtained within paragraphs 1-3 above as well as the impacts described below. These recommendations must include, at a minimum, analysis of the impacts of the following initiatives on future sustainment structure:

- a. DMRD 904, Stock Funding of Reparables, on Army support processes.

- b. DMRD 927, Retail and Wholesale Consolidation.

- c. Conventional Forces Europe (CFE) Drawdown.

- d. Strategic Logistics Agency: Integrated Sustainment Maintenance (ISM) Concept.

- e. TRADOC Ordinance Center & School: Electronic Maintenance Company Concept.

- Studies.
- f. USAMC and USACECOM Low Density Syndrome
- Concept.
- g. PEO IEW Standard Module Open Architecture
- h. Base Realignment and Closures (BRAC).
- i. MI Relook

VI. RESOURCES. Representatives from each command identified within the scope will be requested to perform this study with AMC as the lead. A contractual vehicle is in place to provide depth and additional resourcing. Travel and other associated costs will be funded by the associated command.

VII. SCHEDULE.

	<u>Timeframe</u>	<u>Principal Activity</u>
Phase I	1 Dec 91 - 15 Jan 92	Planning - mid-Dec IPR - Jan IPR
Phase II.a	15 Jan - 15 Jun 92	Data Collection
Phase II.b	1 Mar - 15 Aug 92	Analysis
Phase III	16 Aug - 15 Oct 92	Recommendation/Approval
Phase IV	16 Oct - 31 Dec 92	Implementation Plan Development

VIII. APPROVAL.

- A. Study Concept Plan - Commander, AMC
- B. Study Recommendations - VICE Chief of Staff of the
Army

IEW SUSTAINMENT STUDY
EQUIPMENT SET

Standard Systems

AN/TSQ-138, TRAILBLAZER
AN/MLQ-34, TACJAM
AN/TRQ-32, TEAMMATE
AN/PRD-10
AN/PRD-11
GUARDRAIL V/IGRV C.S.
EH-60, QUICKFIX

Low Density

AN/TSQ-130V, TCAC
OUTS

Non-Standard

FAISS
SANDCRAB
TROJAN SPIRIT
GOLDWING
TIGER

ASPO

THMT
IPDS
FAST MERIT
EPDS
ETUT

**IEW SUSTAINMENT STUDY
WORKGROUP/IPR SCHEDULE**

<u>DATE</u>	<u>EVENTS</u>	<u>LOCATION</u>
11 DEC 91	HQ DA IPR	PENTAGON
23-24 JAN 92	WORKGROUP	IMMC
13-14 FEB 92	WORKGROUP	FORSCOM
25 FEB 92	HQ DA IPR	PENTAGON
12-13 MAR 92	WORKGROUP	TRADOC
2-3 APR 92	WORKGROUP	INSCOM
23-24 APR 92	WORKGROUP	IMMC
5 MAY 92	HQ DA IPR	PENTAGON
19-20 MAY 92	WORKGROUP	FORSCOM
11-12 JUN 92	WORKGORUP	TRADOC
1-2 JUL 92	WORKGROUP	INSCOM
23-24 JUL 92	WORKGROUP	IMMC
4 AUG 92	HQ DA IPR	PENTAGON
13-14 AUG 92	WORKGROUP	FORSCOM
16-17 SEP 92	WORKGROUP	TRADOC
16-17 SEP 92	WORKGROUP	INSCOM
18 SEP 92	HQ DA IPR	PENTAGON
28 SEP 1 OCT 92	WORKGROUP (W/DA SUPPORT)	IMMC
2 OCT 92	GOSC RECOMMENDATIONS	PENTAGON
15 OCT 92	VCSA RECOMMENDATIONS	PENTAGON

NOTE: The above schedule is a strawman beyond the 30-31 Jan 92 session. I tried to set a group session every three weeks or so. Additional sessions could possibly be accomplished via teleconferencing. Please comment.

Appendix C

***CIMMC MFR, 3 Mar 92, Subj: IEW Streamlining Minutes of 30-31 Jan
92 MACOM IPR***



DEPARTMENT OF THE ARMY
U. S. ARMY CECOM INTELLIGENCE MATERIEL MANAGEMENT CENTER
VINT HILL FARMS STATION
WARRENTON, VIRGINIA
22186-5277

REPLY TO
ATTENTION OF

SELIM-IEW (700)

3 MAR 1992

MEMORANDUM FOR RECORD

SUBJECT: IEW Streamlining Minutes of 30-31 Jan 92 MACOM IPR

1. The purpose of this memorandum is to delineate minutes of subject IPR hosted by the US Army CECOM Intelligence Materiel Management Center (USACIMMC), Vint Hill Farms Station, Warrenton, VA.
2. The Agenda and list of attendees are provided as enclosures 1 and 2 respectfully. As noted on enclosure 2, FORSCOM was not represented.
3. Both days of this IPR focused on the topics scheduled for 30 Jan. The topics slated for 31 Jan will be moved to a future IPR. As such, the minutes will provide significant information relative to each topic of 30 Jan.

A. General Administrative.

1) USACIMMC discussed the lack of response to suspended actions preceding the IPR and the impact on the ability to prepare each member for the IPR in advance. Mr. Riddle, CIMMC, stressed the importance of each MACOM being responsive to future data calls and, at a minimum, coordinating the need for extended response time with the tasking proponent. In addition, Mr. Riddle requested the principals to evaluate their situations and if they were unable to be a responsive command focal point to request designation of someone with the authority and time to do so. As a follow-on to this discussion LTC Bruno cited the need to create a full time team, comprised of an action officer from each MACOM, to augment the principal IPR sessions to accomplish this study within the timeframe established. CIMMC will take the lead to seek funding for TDY for the SOCOM, FORSCOM and TRADOC personnel. By the end of the IPR all representatives agreed on the need for full time MACOM participation and would discuss the issue with each of the their commands. Action: A message will be released requesting designation of a full time action officer from each participant. CIMMC will initiate action to obtain funds for TRADOC, FORSCOM and SOCOM designated personnel.

2) Each participant was provided with a copy of a draft memorandum from Mr. Stephen Conver, Army Acquisition Executive, to the Director of Defense Research and Engineering, subject: Defense Modernization Strategy. In addition, CPT

SELIM-IEW

SUBJECT: IEW Streamlining Minutes of 30-31 Jan 92 MACOM IPR

Grossi highlighted a one (1) hour video tape between Mr. Conver and selected AMC Major Subordinate Commands (MSCs) on the topic of how to approach acquisition in the future years. Both of these items were deemed significant to the study as the VCSA charter places a focus on the sustainment of advanced technology and prototype systems in a battlefield environment. Action: To make the video available at a future IPR for the entire team.

B. IPR Schedule: The strawman schedule provided with the minutes of the 11 Dec HQDA IPR was briefly discussed by the team. The strawman was set up with MACOM IPRs every three weeks at rotating locations and HQDA IPRs at approximately 60 days intervals. After discussion the team consensus reflected a need to establish a new MACOM IPR schedule around key project milestones, which should be established by the end of February. HQDA IPRs will remain at 60 day intervals with adjustments as DA staff scheduling and study requirements dictate. The next MACOM IPR is targeted for the week of 24-28 Feb and a HQDA IPR the week of 9-13 March. Action: USACIMMC - Firmly establish dates for the next MACOM and HQDA IPRs with follow on message notification to the study principals.

C. Study Plan. By team consensus the CECOM study plan staffed DEC 91 for comments was accepted with addition of the following areas of consideration:

1) Implication of the NDI Acquisition Process on Sustainment Capabilities. The study effort will attempt to develop a DoD 5000.1 and DoD 5000.2 baseline as a point of departure with follow-on analysis of employed acquisition milestones, associated milestone documentation and project management documents directly linked to system fielding and sustainment functional requirements. This analysis will establish operating practices governed by regulatory guidance and applications within PEO-IEW, INSCOM, FORSCOM and SOCOM. The object of this study phase is to gain censuses on a common "set of rules" to drive logistics data availability for future sustainment support of NDI. The team was apprised of an on-going HQ DA study of the Army acquisition system being managed through DAMO-FDS and being accomplished by the RAND Corporation. This study has examined the standard Army, ASPO and MACOM acquisition processes and is beginning a closer look at selected IEW programs. The focus appears to be on the flexibility of current processes to accept new technology insertion during midstream phases of an on-going acquisition effort. This team will be at the US Army Intelligence Center and School, Ft. Huachuca to brief on 4 Feb 92.

SELIM-IEW

SUBJECT: IEW Streamlining Minutes of 30-31 Jan 92 MACOM IPR

2) Distribution. Distribution of support items and spares to using units as well as unserviceable retrograde have been identified as a key issue in reference to IEW support during Desert Shield/Storm. As noted, during discussion, these problems were problems for all Army units and do not reflect a unique situation to IEW sustainment at the Macro Level. Nonetheless, the specific needs of IEW, low density, will be assessed for potential recommendations.

3) Reserve/Army National Guard Interface. The study plan must address implications associated with the sustainment of Reserve/Army National Guard MI units. Mr. Demy, INSCOM, recommended the team include a representative of the reserve force.

4) SOCOM. Add the Special Operations Command (SOCOM) as a principal to the study team to represent special army support needs.

D. Equipment Set. The team developed a list of systems to serve as the baseline for study of past, current and future support mechanisms. The basis for selection of designated systems are provided at enclosure 3.

E. Equipment Data Profile. The team identified initial characteristics to generate basic system data and initiate baselines for pre-Desert Shield, Desert Shield/Storm, and post-Desert Storm phases of analysis. A breakout of this data is provided at enclosure 4.

4. Actions. As a result of discussions during the IPR the following actions are required:

#	Action Item	POC	Suspense
I036-001	Release Message-Full Time Action Officers	CIMMC	12 Feb 92
I036-002	Request TDY Funding-Full Time Action Officers	CIMMC	21 Feb 92
I036-003	Show Conver Video to Team	CIMMC	TBD
I036-004	Establish MACOM IPR Date	CIMMC/FORCOM	10 Feb 92
I036-005	Establish HQ DA IPR Date	CIMMC	10 Feb 92

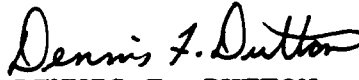
SELIM-IEW

SUBJECT: IEW Streamlining Minutes of 30-31 Jan 92 MACOM IPR

#	Action Item	POC	Suspense
I036-006	Provide the last MI FAA	TRADOC	Feb IPR
I036-007	Provide list of DS/S ASPO Units	INSCOM	Feb IPR
I036-008	Provide Team w/Draft Contract Management Plan	CIMMC	Feb IPR
I036-009	Provide Team w/SLA Integrated Sustainment Maintenance Concept	CIMMC	Feb IPR
I036-010	Provide CIMMC with DS/S Logistics Lesson Learned	All Participants	Feb IPR

5. Point of contact for these minutes is the undersigned, USACIMMC, SELIM-IEW, DSN 229-6340/5047 or commercial (703) 349-6340/5047.

4 Encl
as


DENNIS F. DUTTON
Secretariat, IEW
Study Team

CF:

HQ Department of Army, ATTN: DALO-SMC (Mr. Demchak)
HQ Department of Army, ATTN: DAMO-FDI (MAJ Thompson)
HQ Department of Army, ATTN: DAMI-PII (MAJ Deweese)
HQ Army Materiel Command, ATTN: AMCLG-SI (Mr. Shelton)
Commander, FORSCOM, ATTN: FCJ4-SMM (Mr. Serrentino)
Commander, INSCOM, ATTN: IALOG-R (Mr. Demy)
Commander, TRADOC, ATTN: ATSI-CDM-C (CPT Grossi)
Commander, USASOC, ATTN: AOIN-ST (Mr. Taylor)
Commander, CECOM ATTN: AMSEL-LC
Commander, CECOM ATTN: AMSEL-LC-SM-S2 (Mr. Travisano)
PEO-IEW, ATTN: SFAE-IEW-SE (Mr. Hume)
Director, CIMMC, ATTN: SELIM-DIR
Director, CIMMC, ATTN: SELIM-IEW

IEW Sustainment Streamlining Study
MACOM IPR, 30-31 Jan 92

USA CECOM Intelligence Materiel
Management Center
Vint Hill Farms Station
Warrenton, VA 22186-5276

AGENDA

30 Jan 92

0800 - 0815	Welcome and Introductions	CIMMC
0815 - 0830	General Administrative	CIMMC
0830 - 0900	IPR Schedule	
0900 - 1130	Study Plan Discussions	
1130 - 1300	Lunch	
1300 - 1430	Equipment Set Discussions	
1430 - 1600	System Profile Data Discussions	

31 Jan 92

0800 - 0830	Recap of Day 1	
0830 - 0930	IEW Sustainment Operations (ECB Sustainment Doctrine)	TRADOC
0930 - 0945	Break	
0945 - 1030	IEW Modernization Plan and Army Intelligence Master Plan	TRADOC
1030 - 1130	CASCOM Maintenance Initiatives	TRADOC
1130 - 1300	Lunch	
1300 - 1430	EAC Sustainment Doctrine	INSCOM
1430 - 1530	Wrap up of IPR Issues	
1530 - 1600	Planning for next MACOM IPR	

NOTES

1. All meetings will be conducted in the USACIMMC main conference room in building 268
2. VHFS Billeting - DSN 229-6796

IEW Streamlining Study
MACOM IPR, 30-31
Vint Hill Farms Station
Warrenton, VA.

Attendees:

Mr. Shelton	HQ AMC
LTC Burno	HQ AMC
(P) Mr. Riddle	CECOM
(P) Mr. Dutton	CECOM
Mr. Tallie	CECOM
Mr. Travisano	CECOM
(P) Mr. Demy	INSCOM
Mr. Bazemore	INSCOM
(P) CPT Grossi	TRADOC
(P) Mr. Hume	PEO-IEW
(P) MSG Bennett	SOCOM

Absentees:

(P) Mr. France	FORSCOM
----------------	---------

(P) - Study Team Principal

Enclosure 2

IEW Sustainment Streamlining Study
System Qualification & Selection Factors

* * * * *

Subsequent to 30-31 January IPR discussions, IEW equipment or systems selected for study (see TABLE A, attached), shall meet one or more of the following qualifications:

- In Army use during FY94 - FY99 (POM, FAA)
- Used during Operation Desert Shield/Desert Storm
- Represents use of mixed platforms
- Multi-utilization (EAC/ECB, & other Services)
- Used by Army Reserve/Army National Guard
- Demonstrated 90% or better readiness (DS, success oriented)
- Supported with multiple support mechanisms (Maint. & Supply)
- Type Classification Standard A
- CINC demanded
- Prototype equipment/Limited Production Urgent (LPU)
- Reflects various levels of technology
- Computer based equipment/system

* * * * *

TABLE A
IEW Sustainment Streamlining Study
Designated Equipment Set

<u>USER/COMMAND</u>	<u>EAC</u>	<u>ECB</u>
<u>INSCOM:</u>		
AN/TRR-27A	<u>X</u>	---
TROJAN SPIRIT	<u>X</u>	---
SANDCRAB	<u>X</u>	---
<u>SOCOM:</u>		
SOCRATES	<u>X</u>	<u>X</u>
SSMS	---	<u>X</u>
<u>FORSCOM:</u>		
CEFIRM LEADER	<u>X</u>	---
AN/PRD-11	<u>X</u>	<u>X</u>
AN/TRQ-37	<u>X</u>	---
AN/ULQ-19	---	<u>X</u>
AN/TSQ-164	---	<u>X</u>
GOLDWING	---	<u>X</u>
GUARDRAIL V	---	<u>X</u>
<u>EUROPE:</u>		
Improved GUARDRAIL	---	<u>X</u>
<u>FORSCOM/EUROPE:</u>		
QUICKLOOK	---	<u>X</u>
OV1D	---	<u>X</u>
AN/TRQ-32	---	<u>X</u>
AN/TLQ-17A	---	<u>X</u>
AN/ALQ-151	---	<u>X</u>
AN/TSQ-138	---	<u>X</u>
<u>? USER ? (not determined during IPR)</u>		
TCAC	<u>X</u>	---
J-STARS (GSM)	<u>X</u>	---
HAWKEYE	<u>X</u>	---
<u>[ASPO]</u>		
THMT	<u>X</u>	---
EPDS	<u>X</u>	---
IPDS	<u>X</u>	---
ETUT	<u>X</u>	---
<u>FUTURE SYSTEMS</u>		
<u>USER</u>		
Advanced QUICKFIX	---	---
AN/PRD-12	---	---
TRACKWOLF	---	---
GUARDRAIL COMMON SENSOR	---	---
UAV	---	---
IMETS	---	---
CTT	---	---
GROUNDBASE COMMON SENSOR L/H	---	---

IEW Sustainment Streamlining Study
System Data Collection
(Parts 1 & 2)

DATA REQUIREMENTS:

PART 1. Generic Profile - The following data must be provided or specified for each system identified by the IEW study group:

Nomenclature	Combat Developer
Project Name	Materiel Developer
National Stock Number	AAO
LIN	Acquisition Plan
ZLIN	Developmental/NDI/COTS
Type Classification	Acq. Test Requirements & RAM
Security Classification	Program Mgr. Organization,
System Purpose (incl. DS/S use)	& Level 1,2 & 3
Description,	Materiel Fielding Agreement
- Tabulated Data	Materiel Fielding Plan
- Technical Characteristics	Basis of Issue Plan
- Unique Requirements	First Unit Equipped Date
Prime Mover (Std/Mod/Unique)	Fielding Density
Power Source	QQPRI
Transportability,	ROC
- Special Handling	ILSP
- Security Requirements	Support Strategy
- Hazard Considerations	- Maint. Concept
Life Cycle Status,	- Supply Support
- Forecast Termination Date	Assigned MMCC
- Replacement System	Sustainment Proponent (actual)
	Software Sustainment Proponent

PART 2. Phased Baseline Data - The following data requirements reflect system data established during Pre-Desert Shield, Desert Shield/Storm, and Post-Desert Storm phases of operation.

a. Fielded (Pre-DS):

System Density	IMMC SRA Support
Readiness Rate w/Failure Data	Support Costs
Sustainment Proponent	Security Handling
Support Mechanisms,	Tng. Expertise vs Need
- Maintenance & Supply	Support Issues
- Req/Dist/Stock Concept	
Contractor Support,	
- OEM/Generic	
- Cost/Location	
- Managing Proponent	

PART 2. Phase Baseline Data (continued):

b. Operation DS:

System Density
Readiness Rate w/Failure Data
Sustainment Proponent
Support Mechanism,
- Maintenance & Supply
- Req/Dist/Stock Concept
Contractor Support,
- OEM/Generic
- Cost/Location
- Managing Proponent
- Capability vs Requirements (*)

IMMC SRA Support
Rainbow SRA Support
Support Costs
Security Handling
Tng. Expertise vs Need
Support Issues

* Provide comparative analysis of support mechanism capabilities and effectiveness -vs- actual requirements.

c. Post Operation DS:

System Density
Readiness Rate w/Failure Data
Sustainment Proponent
Support Mechanism,
- Maintenance & Supply
- Req/Dist/Stock Concept
Contractor Support,
- OEM/Generic
- Cost/Location
- Managing Proponent

IMMC SRA Support
Support Costs
Security Handling
Tng. Expertise vs Need
(**) Support Issues

** Including issues/data pertinent to current or anticipated drug interdiction missions.

Appendix D

***CIMMC Memo, 10 Mar 92, Subj: IEW Streamlining: 24-25 FEB 92 IPR
DRAFT Minutes***



DEPARTMENT OF THE ARMY
U.S. ARMY CECOM INTELLIGENCE MATERIEL MANAGEMENT CENTER
VINT HILL FARMS STATION
WARRENTON, VIRGINIA

22186-5277

REPLY TO
ATTENTION OF

S:27 MAR 1992

SELIM-IEW

10 MAR 1992

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: IEW Streamlining: 24-25 FEB 92 IPR DRAFT Minutes

1. Draft minutes for the 24-25 FEB 92 MACOM level IPR are provided for your review and comments.
2. In keeping with previous guidance, these minutes will remain draft until 27 MAR 92. Non-response will be considered as concurrence; therefore, only comments citing additions or errors need to be provided.
3. Please review these minutes closely. IPR minutes provide a written record of discussion which may be used as source data for documented reference during the analysis/recommendation phase development. If something is incorrectly phrased, please rewrite it and give it to me for correction. In addition, if I have missed something of significance please send me the missing input.
4. Please address questions to the undersigned at SELIM-IEW, M/S #77, DSN 229-6340.
5. CECOM Bottom Line: THE SOLDIER.

Dennis F. Dutton

DENNIS F. DUTTON
Secretariat, IEW
Study Team

ENCL
as

DISTRIBUTION:

HQ Army Materiel Command, ATTN: AMCLG-SI (Mr. Shelton)
Commander, FORSCOM, ATTN: FCJ4-SM (Mr. Serrentino)
Commander, INSCOM, ATTN: IALOG-R (Mr. Demy)
Commander, TRADOC, ATTN: ATSI-CDM-C (CPT Grossi)
Commander, USASOC, ATTN: AOIN-ST (Mr. Taylor)
Commander, CECOM, ATTN: AMSEL-LC-SM-S2 (Mr. Travisano)
Director, CIMMC, ATTN: SELIM-IEW

CF:

Commander, CECOM, ATTN: AMSEL-LC
PEO-IEW, ATTN: SFAE-IEW-SE (MR. HUME)
Director, CIMMC, ATTN: SELIM-DIR

SELIM-IEW (700)

MEMORANDUM FOR RECORD

SUBJECT: IEW Streamlining Minutes - 24, 25 Feb 92 MACOM IPR

1. The purpose of this memorandum is to delineate minutes of subject IPR hosted by the U.S. Army Forces Command (FORSCOM), Ft. McPhearson, Atlanta, GA.
2. The IPR Agenda and attendees list are provided as enclosures 1 and 2 respectively.
3. All topics were discussed/presented within the 2-day, IPR schedule. Minutes herein reflect: a) General Administrative information w/subsequent actions; and b) Detailed Discussions.

a. General Administrative:

1) The IPR was hosted by FORSCOM, J4. Minutes from the 30 - 31 Jan 92 IPR were briefly addressed with Mr. Dutton clarifying USACIMMC having lead responsibility to pursue full time study group TDY funding through channels, with appropriate support from HQ AMC. Following-up previous IPR tasking, Mr. Riddle, USACIMMC, queried the MACOM principals regarding their designation of full time team participants.

2) IPR Schedule: The study team agreed future IPRs will be milestone driven, versus a fixed time schedule. Mr. Dutton provided each team member a tentative milestone chart that reflects 4 major phases of the IEW sustainment study. Each phase is subdivided into task details with estimated periods of completion. Based on the progress and discretion of the team members, IPR dates will be set individually at intervals most advantageous to the study effort. HQDA IPRs will be targeted at 60 day intervals with adjustments as DA staff scheduling and study requirements dictate. Accordingly, a MACOM IPR is targeted for 28-29 Apr 92 at VHFS, and the next HQDA IPR is 10 Mar 92.

3) Study Plan: By team consensus the CECOM study plan staffed Dec 91 for comments was accepted with the addition of 30 - 31 Jan 92 IPR concerns. Mr. Serrentino, FORSCOM J4 noted with respect to the support analysis during Desert Shield/Storm, that a critical driver was due to systems released with immature logistics systems requiring special support for the user. Mr. Serrentino had not yet received/reviewed the study plan from J2, but anticipated that additions or deletions on his behalf would be minor. Action: USACIMMC will effect final coordination and forward the study plan to AMC.

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SUBJECT: IEW Streamlining Minutes - 24, 25 Feb 92 MACOM IPR

a. General Administrative, (continued):

4) Equipment Set and Using Units:

a. The study team refined the systems list developed during the 30 - 31 Jan IPR. Equipment users have been identified and categorized as indicated in System Data Collection list, Table A (encl 3). In addition to this equipment, the group deemed it necessary to capture a listing of all IEW systems. This list would aide the team during formulation of future support as a workload indicator for support required in ECB/EAC areas. The list may be subject to revision as the study group progresses.

b. The study team briefly discussed identification of specific user units for creation of support flow traces back to wholesale. Each user MACOM was requested to minimize the number of units to allow for delineation of support burdens placed on units by multiple support mechanisms, while also covering the variations of unit missions. FORSCOM discussed depiction of an XVIII Corps trace which would provide for Airborne, Air Assault, Light, Heavy, and USAR. Coverage for OCONUS (VII Corps, V Corps, etc.) and Army National Guard (ANG) remained an open issue.

5) Equipment Data Profile: System characteristics and specific data elements were refined and formatted to standardize the data collection phase of study. Revised data requirements are provided at enclosure 3, System Data Collection. Action: For each system identified for study, the respective MACOM will provide required information, or (if applicable) confirm availability of listed data elements. Possible data sources that were discussed include:

- * DA PAM 5-25 (Data may be available in automated format)
- * IEW Master Plan Annex (TRADOC)
- * Readiness Command Program Documents (ILSP, MFP, etc.)
- * DA Capabilities Handbook
- * TC 34-1 (Ft Devens)
- * EMRA Tactical Publications Guide ("blue book")
- * Field data as last resort with FORSCOM/INSCOM/USASOC lead

6) Mr. Shelton, HQ AMC, stated an important element of this study is to understand the unique logistics support being provided by each MACOM and requested a future IPR include briefings in this area (i.e., CIMMC SRA, FORSCOM Ft. Gilliam Operations, INSCOM - MSA-V support, USASOC SOF unique depot support).

b. Detailed Discussions:

1) COL Whitney, FORSCOM J2, opened the session with the

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J2 position concerning NDI acquisition. Background information and future plans are synopsized below, with an official position provided at enclosure 4.

- * 1980 Force Package II & III was not in a position to get equipment due to shortfalls in acquisition funding.
- * J2 determined materiel needs of commanders and used funding from various sources, including CECOM, to build NDI systems "in lieu of" developmental systems. No specific IEW NDI funding lines were used.
- * Historically, the Army Regulation for QRC allowed this to happen without the use of R&D dollars if the systems were in the hands of the users in 18 months.
- * In addition NDI systems were developed to offset communication equipment shortfalls.
- * J2 has no plans to upgrade the current NDI systems, or seek new systems.
- * J2 is prepared, with exception to FAISS, to turn these systems over to AMC by 1 Oct 92.
- * J2 reserves the right to execute future NDI acquisitions if the PEO, etc., is not able to meet future requirements.
- * J2 plans to continue NDI acquisition in the areas of communications, automation, processing systems and counter-drug, including DODIS. However, J2 will be out of tactical battlefield NDI by 30 Sept 92.

2) 33 CMF & Doctrine:

a. CPT Grossi, TRADOC, provided an informative slide presentation of actual and/or perceived IEW fielding and sustainment issues. The presentation highlighted Office Chief Military Intelligence (OCMI), plans to restructure/reduce the 33 Career Management Field (CMF) and its probable ramifications in the IEW support arena. TRADOC was requested to determine the FY95 33 CMF targets for consideration in future support concepts. A separate, but similar study by CASCOM seeks to consolidate other electronic maintenance fields and may relook 33 CMF later this year. CPT Grossi also identified, (as a study issue), doctrine inefficiencies that poorly define IEW maintenance concepts and support channels at ECB level. This is currently being considered in the Army Intelligence Master Plan.

b. With IEW doctrine being very vague, current support relies heavily on the use of Materiel Fielding Plans for

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delineation of maintenance support requirements/processes. The team agreed one objective of this study is to capture a standard baseline for IEW support in appropriate FMs. This would eliminate continued reliance on MFPs for field maintenance management procedures. It was noted that CASCOM is currently updating FM 100-5 with completion targeted for year end, FY 93.

3) Mr. Shelton, HQ AMC, discussed the 6 Feb 92 meeting at AMC to resolve issues with finalizing BOIP/QQPRI data for specific FORSCOM NDI systems. The action is being taken to allow for Type Classification and inclusion in the TADEP and AR 220-1, Readiness Reporting. By mutual agreement, systemic process issues which surface and need to be resolved will be addressed to the study group. Otherwise, actions specific to the six systems will continue in parallel to the IEW study, with feedback as deemed appropriate.

4) Additional supply and maintenance related discussions are highlighted below:

- * TRADOC will not implement the Electronic Maintenance Company (EMC). Current thinking combines the EMC concept with the Battlefield Maintenance System to develop a Division Based Maintenance Concept.

- * Mr. Serrentino described the future Divisions with no ASL, reduced mission essential parts and no piece part repair. These efforts would be accomplished back in the logistics area.

- * By group consensus, IFTE was not considered to be viable for low density, IEW application. Enhanced use of BIT/BITE and throw-away cards were preferred.

- * FORSCOM is currently taking action to introduce the MSM-105 (EQUATE) into the MI DETs as an MTOE change and could not support conversion of the USM-410 Test Program Sets (TPS) to IFTE. VXI technology was also discussed for possible use in support of MI assets.

- * FORSCOM has concern with existing repair parts "stove pipes." They plan to break them and create demands through the standard systems to support future stock funding budget requirements. Funding shortfalls were acknowledged which prohibits the acquisition of repair part in sufficient quantities to insure stockage within the standard supply system. Mr. Blackmon, FORSCOM J4, noted no MI BN appears in the BOIPs for Standard Army Management Information Systems (STAMIS). In addition, low density/low demand parts typically get purged from stockage. The team felt consideration should be given to addressing high dollar, low density, low demand requirements as separate annexes to AR 750-1 and AR 710-2 to create a "standardized" process for

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systems which cannot work in standard Army processes. In some cases it may be necessary to have a forward AMC organization stock assets, with the ability for rapid distribution upon demand.

* Contractor Field Maintenance: When considering future support processes for MI, Mr. Blackmon, FORSCOM J4, stated contractors required to perform field service should be centralized to provide a single focal point for support management.

* Mr. Serrentino, FORSCOM J4, briefed the team with actions being taken within FORSCOM for improved maintenance capability under control of Army Stock Funding changes effective 1 Apr 92. These actions included attacking actual availability time for "green suit" maintenance. FORSCOM units currently experience 12-16% availability compared to the Army standard of 50%. FORSCOM has developed an automated program to identify every repairable for analysis. For high dollar, low demand items they will determine where best to fix on a regional basis. This regional maintenance system is being considered for Ft. Hood, Ft. Bragg and Ft. Lewis which will take advantage of the MI and COMSEC detachments at these locations. At present, FORSCOM is 930 spaces short to accomplish the component repair workload. Stock Funding and the point where a transaction occurs between retail and wholesale elements will be critical to future supply and maintenance decisions.

5) MSG Walensky discussed special needs of USASOC units who use not only SOF unique but standard Army systems. The forward mission needs of these units need to be considered, especially when, where and how to tie-in to existing support structures. Mr. Serrentino noted the group should look hard at the USASOC Support Bn. and address any obvious shortfalls.

6) The following information was provided by FORSCOM concerning the TENCAP program:

* All systems were developed as LPU using R&D funds with CLS planned.

* Current plans are to transition MITT to "green suit" maintenance and IPDS to transition into standard supply channels.

* Only the Earth Terminal will fall under the Army Stock Funding/Depot Level Repairable Program.

6. Action Items: Subsequent to IPR discussions and agreements, the following actions are required:

#	Action Item	POC	Suspense
I2056-011	Provide written position on IEW/NDI acquisition	FORSCOM J2	6 March

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SUBJECT: IEW Streamlining Minutes - 24, 25 Feb 92 MACOM IPR

I2056-012	Clarify and release JAN IPR minutes	CIMMC	6 March
I2056-013	Identify message traffic addresses, Eur/Kor/etc.	ALL MACOMs	6 March
I2056-014	Follow-up lessons learned DS/S, provide to CIMMC	ALL MACOMs	13 March
I2056-015	Identify unique support requirements	ALL MACOMs	April
I2056-016	Feedback parallel BOIP/QQPRI effort to team	HQ AMC	TBD?
I2056-017	Pursue capturing/define equipment list	CIMMC	13 March
I2056-018	Determine Army NG impact identify POC	CIMMC	13 March
	* Active Reserve Rep.	FORSCOM	
I0256-019	Provide study plan to FORSCOM, brief J2/J4	CIMMC	6 March
I0256-020	Provide Mr. McDonald's availability status	FORSCOM	28 Feb
I0256-021	Identify current studies related to IEW	ALL MACOMs	13 March
I0256-022	Provide formatted list of required equipment data	CIMMC	6 March
I0256-023	Forward study plan to AMC	CIMMC	1 April
I0256-024	Identify/project 33 CMF status for 1995	TRADOC	6 March
I0256-025	Identify units of focus & Provide initial study data	ALL MACOMs	31 March

5. Point of contact for IPR minutes is the undersigned, USACIMMC
ATTN: SELIM-IEW, DSN 229-6340/5047, or commercial (703) 349-XXXX.

SELIM-IEW

SUBJECT: IEW Streamlining Minutes - 24, 25 Feb 92 MACOM IPR

6. CECOM Bottom Line: THE SOLDIER.

**4 Encl
as**

**DENNIS F. DUTTON
Secretariat, IEW
Study Team**

CF:

**HQ Department of Army, ATTN: DALO-SMC (Mr. Demchak)
HQ Department of Army, ATTN: DAMO-FDI (MAJ Thompson)
HQ Department of Army, ATTN: DAMI-PII (MAJ Deweese)
HQ Army Materiel Command, ATTN: AMCLG-SI (Mr. Shelton)
Commander, FORSCOM, ATTN: FCJ4-AM (Mr. Serrentino)
Commander, INSCOM, ATTN: IALOG-R (Mr. Demy)
Commander, TRADOC, ATTN: ATSI-CDM-C (CPT Grossi)
Commander, USASOC, ATTN: AOIN-ST (Mr. Taylor)
Commander, CECOM, ATTN: AMSEL-LC
Commander, CECOM, ATTN: AMSEL-LC-SM-S2 (Mr. Travisano)
PEO-IEW, ATTN: SFAE-IEW-SE (Mr. Hume)
Director, CIMMC, ATTN: SELIM-DIR
Director, CIMMC, ATTN: SELIM-IEW**

IEW Sustainment Streamlining Study
MACOM IPR, 24-25 Feb 92

AGENDA

24 Feb 92

0800 - 0815	Welcome and Introductions
0815 - 0900	Administrative Discussions
0900 - 0945	BOIP/QQPRI Actions/Status
0945 - 1000	Break
1000 - 1130	Review of System Data Rqmts.
1130 - 1300	LUNCH
1300 - 1430	Identification of Data Sources/Units
1430 - 1445	Break
1445 - 1600	Project Milestone Discussions

25 Feb 92

0800 - 0830	Recap of Day 1	
0830 - 0930	IEW Sustainment Operations (ECB Sustainment Doctrine)	TRADOC
0930 - 0945	Break	
0945 - 1030	IEW Modernization Plan and Army Intelligence Master Plan	TRADOC
1030 - 1130	CASCOM Maint. Initiatives	TRADOC
1130 - 1300	LUNCH	
1300 - 1430	EAC Sustainment Doctrine	INSCOM
1430 - 1530	Wrap-up of IPR Issues	
1530 - 1600	Planning for Next MACOM IPR	

IEW Streamlining Study
MACOM IPR, 24-25 FEB 92
FORSCOM Headquarters
Ft. McPhearson, Georgia

ATTENDEES:

<u>Name</u>	<u>Organization</u>	<u>(DSN) Telephone</u>
Mr. Blackmon	FORSCOM, FCJ4-SME	367-7204
Mr. Riddle (P)*	USACIMMC, SELIM-IEW	229-5047
Mr. Serrentino (P)	FORSCOM, FCJ4-SMD	367-7284
Mr. Monroe	USACIMMC, SELIM-T	229-5082
Mr. Dutton (P)*	USACIMMC, SELIM-IEW	229-6340
Mr. Bazemore (P-Alt)	USAINSCOM	229-2840
Ms. Owens	FORSCOM, FCJ2-ISF	367-6543
COL Whitney	FORSCOM, FCJ2-IS	367-5042
MSG Walensky (P-Alt)	USASOC, DCINT, AOIN-ST	239-5357
Mr. Shelton	HQ AMC, AMCLG-SI	284-9311
Mr. Knight	CECOM LAR, Ft. Stewart	870-2911
SFC Schanbach	USARC, DCSINT	367-6530
CPT Grossi (P)	USAIC & FH, ATSI-CDM	879-2275
CW2 McDonald	Ft. Bragg, 1st COSCOM-STB	236-2655
Mr. Carson	FORSCOM, FCJ2-AS	797-3174
Mr. Nicholas *	BDM International	596-6843
Mr. Taillie *	USACIMMC, SELIM-IEW	229-6122
Mr. Travisano	CECOM, AMSEL-LC-SM-S2	992-5108
Mr. France	FORSCOM, FCJ2-AS	797-5686

Absentees:

Mr. Hume (P) PEO-IEW

(P) - Study Team Principal

* - Full Time Team Member

IEW SUSTAINMENT STREAMLINING STUDY
SYSTEM DATA COLLECTION

1. DATA REQUIREMENTS: In accordance with IEW Study Group discussions, responsible MACOMs shall provide the following information for systems identified in TABLE A, Designated Equipment Set.

2. SYSTEM PROFILE:

NOMENCLATURE:

PROJECT NAME:

NSN:

LIN:

ZLIN:

TYPE CLASSIFICATION:

DATE:

SECURITY CLASSIFICATION:

DEVELOPMENTAL/NDI/COTS:

SYSTEM PURPOSE:

(include Operation DS/S use)

USERS: ACTIVE ARMY____ ARMY RESERVE____ NATIONAL GUARD____
OTHER SERVICES____

PRIME MOVER:

(identify as Std/Mod/Unique)

PRIMARY POWER SOURCE:

ALTERNATE POWER SOURCE:

UNIQUE REQUIREMENTS:

(special fuels/fluids, etc.)

TRANSPORTABILITY ISSUES:

(special handling, security
and hazard considerations)

2. SYSTEM PROFILE (continued)

COMBAT DEVELOPER:

MATERIEL DEVELOPER:

AAO:

PREDICTED RAM DATA:

PROGRAM MGMT. ORGANIZATION:
(Levels I, II, & III)

MATERIEL RELEASE DATE: _____CONDITIONAL _____FULL

FIRST UNIT EQUIPPED:
(include Date)

FIELDING DENSITY:

QQPRI:

ACQUISITION SUPPORT CONCEPT:
- Maintenance Concept:
- Supply Support:

ASSIGNED MMCC:

SUSTAINMENT PROPONENT:
(actual)

SOFTWARE SUSTAINMENT PROPONENT:

LIFE CYCLE STATUS:

FORECAST TERMINATION DATE:

REPLACEMENT SYSTEM:

3. PHASED BASELINE DATA: The following data requirements reflect system data established during Pre-Desert Shield, Desert Shield/Storm, and Post-Desert Storm Phases of operation.

a. FIELDED (Pre-DS)

SYSTEM DENSITY:

READINESS RATE:
(w/failure data)

SUSTAINMENT PROPONENT:

3a. PHASED BASELINE DATA (continued)

SUPPORT MECHANISMS (- including):

- MAINTENANCE & SUPPLY:

- REQUISITION/DISTRIBUTION/STOCK CONCEPT:

- CONTRACTOR SUPPORT: _____ OEM _____ GENERIC

- LOCATION: COST:

- CONTRACT MANAGING PROPONENT:

- USACIMMC SRA SUPPORT:

- SUPPORT COSTS:

SECURITY HANDLING:

TRAINING EXPERTISE vs NEED:
(Institutional vs Follow-on)

b. OPERATION DS:

SYSTEM DENSITY:

READINESS RATE:
(w/failure data)

SUSTAINMENT PROPONENT:

SUPPORT MECHANISMS (- including):

- MAINTENANCE & SUPPLY:

- REQUISITION/DISTRIBUTION/STOCK CONCEPT:

3b. PHASED BASELINE DATA (continued)

- CONTRACTOR SUPPORT: _____ OEM _____ GENERIC

- LOCATION: COST:

- CONTRACT MANAGING PROPONENT:

* CAPABILITY vs REQUIREMENTS:

- RAINBOW SRA SUPPORT:

- SUPPORT COSTS:

SECURITY HANDLING:

TRAINING EXPERTISE vs NEED:

DISTRIBUTION METHODS:

DESERT EXPRESS:

TRANSPORTATION ISSUES:
(Intra Theater)

ADDITIONAL SUPPORT ISSUES:

* Provide comparative analysis of support mechanism capabilities and effectiveness vs actual requirements.

c. POST OPERATION DS:

SYSTEM DENSITY:

READINESS RATE:
(w/failure data)

SUSTAINMENT PROPONENT:

3c. PHASED BASELINE DATA (continued)

SUPPORT MECHANISMS (- including):

- MAINTENANCE & SUPPLY:

- REQUISITION/DISTRIBUTION/STOCK CONCEPT:

- CONTRACTOR SUPPORT: _____OEM _____GENERIC

- LOCATION: COST:

- CONTRACT MANAGING PROPONENT:

- USACIMMC SRA SUPPORT:

- SUPPORT COSTS:

SECURITY HANDLING:

TRAINING EXPERTISE vs NEED:

** ADDITIONAL SUPPORT ISSUES:

** Including issues/data pertinent to current or anticipated drug interdiction missions.

TABLE A
IEW Sustainment Streamlining Study
Designated Equipment Set

USER/COMMAND	EAC	ECB
<u>INSCOM:</u>		
AN/TRR-27A	<u>X</u>	
TROJAN SPIRIT	<u>X</u>	<u>X</u>
SANDCRAB	<u>X</u>	
<u>SOCOM:</u>		
SOCRATES	<u>X</u>	<u>X</u>
SSMS		<u>X</u>
<u>FORSCOM:</u>		
CEFIRM LEADER	<u>X</u>	
AN/PRD-11	<u>X</u>	<u>X</u>
AN/TRQ-37		<u>X</u>
AN/ULQ-19 V2,V3		<u>X</u>
AN/TSQ-164		<u>X</u>
AN/GRQ-27 GOLDWING	<u>X</u>	<u>X</u>
GUARDRAIL V		<u>X</u>
TCAC		<u>X</u>
J-STARS (GSM)	<u>X</u>	<u>X</u>
HAWKEYE	<u>X</u>	<u>X</u>
AN/UYK-71A*	<u>X</u>	<u>X</u>
* other users: TOPO/WEATHER		
<u>FORSCOM/EUROPE:</u>		
QUICKLOOK	<u>X</u>	<u>X</u>
OV1D	<u>X</u>	<u>X</u>
AN/TRQ-32		<u>X</u>
AN/TLQ-17A V3.....		<u>X</u>
AN/ALQ-151		<u>X</u>
AN/TSQ-138		<u>X</u>
IMPROVED GUARDRAIL		<u>X</u>
<u>FORSCOM/INSCOM: [ASPO]</u>		
THMT	<u>X</u>	<u>X</u>
EPDS	<u>X</u>	<u>X</u>
IPDS	<u>X</u>	<u>X</u>
ETUT	<u>X</u>	<u>X</u>
IES	<u>X</u>	<u>X</u>

FUTURE SYSTEMS

**USER

ADVANCED QUICKFIX		F	<u>X</u>
AN/PRD-12		F	<u>X</u>
TRACKWOLF	<u>X</u>	I/F	
GUARDRAIL COMMON SENSOR	<u>X</u>	I/F	<u>X</u>
UAV		F	<u>X</u>
IMETS		F	<u>X</u>
CTT	<u>X</u>	I/F	<u>X</u>
GROUNDBASE COMMON SENSOR L/H		F	<u>X</u>

** F = FORSCOM, I/F = INSCOM/FORSCOM

JOINT MESSAGEFORM

SECURITY CLASSIFICATION
UNCLASSIFIED

PAGE	DATE/TIME			PRECEDENCE		CLASS	SPECIAL	VIA	CIR	OTHER
	DATE	TIME	MONTH	YR	ACT					
01 of 03	062010Z		MAR	92	PP	PP	UUUU		AT	

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MESSAGE HANDLING INSTRUCTIONS

FROM: CDR FORSCOM FT MCPHERSON GA //FCJ2-AS//

TO: CDRAMC ALEXANDRIA VA//AMCLG-SI//

INFO CDRSocom MACDILL AFB FL//J4//

PEO IEW VIIFS WARRENTON VA//SFAE-IEW-SE//

CDRTRADOC FT MONROE VA//ATCD-GI//

CDRUSAISCFH FT HUACHUCA AZ//ATSI-CD-OI-CDF-M//

CDRUSACAC FT LEAVENWORTH KS//ATZL-CCD-I//

CDRCECOM FT MONMOUTH NJ//AMSEL-LC-SM-S2//

CDRUSAFISA FT BELVOIR VA//MOFI-TED-T//

CDROPTec ALEXANDRIA VA//CSTE-ZA//

DIRAMSAA ABERDEEN PROVING GROUND MD//AMXSY-LX//

DIRCIMMC VHFS WARRENTON VA//SELIM-PA/SELIM-IEW//

CDRUSASOC FT BRAGG NC//AOIN-ST//

MSGID/SYS.RRI/FORSCOM/FCJ2-AS//

AMPN/SUBJ: ACTION ITEM: IEW SUSTAINMENT STREAMLINING STUDY//

REF/A/CON//

6 AMPN/IEW SUSTAINMENT STREAMLINING STUDY GROUP MEETING.

5 24-25 FEB 92//

4 RMKS/

3 2. FORCES COMMAND WILL TRANSFER THE FOLLOWING NON-DEVELOPMENTAL

1 DISTR:

0 FCJ4-SMN

ORIGINATOR NAME TITLE, C. SYMBOL, PHONE

COL D.C. BIDDINGER
FCJ2-AS 96-5723

SPECIAL INSTRUCTIONS

FCJ4-SMN {CONCUR} *Signature*
~~NONCONCUR~~

TYPER NAME TITLE, OFFICE SYMBOL AND PHONE

SAM A. GRAY BC.US. J4-2493

SIGNATURE

SECURITY CLASSIFICATION

UNCLASSIFIED

DATE TIME GROUP

ENCL 4

JOINT MESSAGEFORM

SECURITY CLASSIFICATION

UNCLASSIFIED

PAGE	DATE/TIME			MONTH		YR	ACT	INFO	CLASS	SPECAT	LWP	CIC	MESSAGE NO.
	02	03	062010Z	MAR	92	PP	PP	UUUU					
MESSAGE HANDLING INSTRUCTIONS													

SYSTEMS FROM LEVEL TWO MANAGEMENT TO AMC FOR LEVEL THREE

MANAGEMENT: TO:

A. AN/TRQ-37, INTERCEPT AND DIRECTION FINDING SYSTEM (NICKNAME: TACFIX).

B. AN/PRD-13, MANPACK RECEIVING AND DIRECTION FINDING SYSTEM (NICKNAME: MINIFIX).

C. AN/ULQ-19(V2), RESPONSIVE JAMMER (NICKNAME: RACJAM).

D. AN/ULQ-19(V3), HELIBORNE APPLICATION COMMUNICATION JAMMER (NICKNAME: HACJ).

TARGET DATE FOR TRANSITION FROM FORSCOM TO AMC IS PROJECTED FOR 30 SEP 92.

2. FORCES COMMAND WILL CONTINUE TO PROCEED WITH THE FOLLOWING DA AND CINC-DIRECTED INITIATIVES UNDER ITS NON-DEVELOPMENTAL ITEM PROGRAM AND CECOM LEVEL TWO MANAGEMENT:

A. AN/TSQ-164, HIGH FREQUENCY DIRECTION FINDING SYSTEM (NICKNAME: DRAGONFIX).

B. AN/GRQ-27, HIGH FREQUENCY FLYAWAY COMMUNICATION SYSTEM (NICKNAME: GOLDWING).

C. AN/UYK-71A, FORSCOM AUTOMATED INTELLIGENCE SUPPORT SYSTEM WORKSTATION (NICKNAME: FAISS).

DISTR:

ORIGINATOR TYPED NAME, TITLE, OFFICE SYMBOL AND PHONE

SPECIAL INSTRUCTIONS

SAG

SECURITY CLASSIFICATION

UNCLASSIFIED

DATE TIME GROUP

JOINT MESSAGEFORM						SECURITY CLASSIFICATION UNCLASSIFIED		
PAGE	OTC/RELEASED TIME			PRECEDENCE		CLASS	SPECAT	MM
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	062010Z	MAR	92	PP	PP	UUUU		AT
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2. AN/ULBROOMX, FORWARD LOOKING INFRARED SYSTEM (FLIR).

3. TRANSITION TO CECOM LEVEL THREE MANAGEMENT RESPONSIBILITY FOR THE SYSTEMS LISTED IN PARA 2 ABOVE WILL BE INITIATED AS EACH NON-DEVELOPMENTAL SYSTEM MEETS THE CRITERIA FOR ACCEPTANCE INTO THE ARMY STANDARD SYSTEM. THERE ARE NO ANTICIPATED TRANSITION DATES ESTABLISHED AT THIS TIME.

4. MR. CHARLES FRANCE, FCJ2-AS, DSN 797-5772/5686, CAN PROVIDE ADDITIONAL INFORMATION.//

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DISTR	
DRAFTER TYPED NAME, TITLE, OFFICE SYMBOL, PHONE	
SPECIAL INSTRUCTIONS	
TYPED NAME, TITLE, OFFICE SYMBOL, AND PHONE	
RELEASE	DATE TIME GROUP
SAG MGR 8 1/2	SECURITY CLASSIFICATION UNCLASSIFIED

Appendix E

***CIMMC Memo, 22 Jun 92, Subj: IEW Streamlining: IPR Minutes
(w/MACOM IPR Minutes, 9 Apr 92)***



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U. S. ARMY CECOM INTELLIGENCE MATERIEL MANAGEMENT CENTER
VINT HILL FARMS STATION
WARRENTON, VIRGINIA
22186-5077



SELIM-IEW

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: IEW Streamlining: IPR Minutes

22 JUN 1992

1. Reference:

- a. Draft 9 APR 92 MACOM IPR Minutes
- b. Draft 28 APR 92 Headquarters DA IPR Minutes

2. Subject minutes are now considered final. All recommended changes received prior to 8 June 92 have been incorporated and annotated with "^" in the left column.

3. POC is the undersigned, SELIM-IEW, M/S #77, DSN 229-6122.

4. CECOM Bottom Line: THE SOLDIER.

DENNIS F. DUTTON
Secretariat, IEW
Study Team

Encl

DISTRIBUTION:

Commander, FORSCOM, ATTN: FCJ4-SM (Mr. Serrentio)
Commander, INSCOM, ATTN: IALOG-R (Mr. Demy)
Commander, USAICS, ATTN: ATSI-CDG (Mr. Lovely)
Commander, USASOC, ATTN: AOIN-ST (MSG Walensky)
PEO-IEW, ATTN: SFAE-IEW-SE (Mr Hume)
Director, CIMMC, ATTN; SELIM-IEW (Mr. Riddle)

cf:

HQDA, DCSLOG, ATTN: DALO-SMD (Mr. Demchak)
HQDA, DCSINT, ATTN: DAMI-PII-I (MAJ DeWeese)
HQDA, DCSOPS, ATTN: DAMO-FDI (MAJ Andrew)
HQ Army Materiel Command, ATTN: AMCLG-SI (Mr. Shelton)
Commander, CECOM, ATTN: AMSEL-LC
Commander, CECOM, ATTN: AMSEL-LC-LM-EN (Mr. Mabray)
Director, CIMMC, ATTN: SELIM-DIR

MEMORANDUM FOR RECORD

April 21, 1992

SUBJECT: IEW Streamlining - Minutes of MACOM IPR, 9 Apr 92

1. This memorandum furnishes subject minutes for information and documentation.
2. The IPR attendees list and a copy of the agenda are provided as enclosures 1 and 2, respectively.
3. Minutes herein reflect a) general administrative information, b) detailed discussions, and c) current taskings.

a. General Administrative Information

(1) The IPR was conducted in the CIMMC Conference Room from 0800 to 1700, 9 April 1992.

(2) The IPR was an informal session to update the Study Group members and/or their representatives on the progress of the study.

(3) Copies of briefing graphics from the study secretariat, INSCOM, and USASOC are included as enclosures 3, 4, and 5, respectively.

b. Detailed Discussion

(1) The study group secretariat will provide copies of the DA IPR minutes to members as soon as possible.

(2) The study plan is still being coordinated with MACOM representatives.

(3) COL Whitney asked to see the proposed graphics for the DA IPR; Mr. Dutton said he would provide read-ahead copies to the MACOM representatives one week ahead of the IPR date.

(4) The secretariat asked that each MACOM furnish a list of proposed MACOM attendees for the DA IPR by 17 Apr 92.

(5) Mr. Serrentino indicated he would attempt to obtain feedback from the test at Fort Campbell on empowering MI battalion repairers to perform higher levels of maintenance; upon receipt, he will share the information with the study group.

(6) Mr. Serrentino indicated there were current efforts within FORSCOM to capture maintenance manhours expended data in automated maintenance management systems.

(7) TRADOC will shortly provide lists of current and emerging systems broken down by Force Package.

(8) Future maintenance contracts should include requirements for the contractor to train military repairers on the systems being repaired. Contracts have to specify the functions such as training that will facilitate improvements (ref: INSCOM troubleshooter contract).

(9) Mr. Serrentino indicated he would furnish the secretariat a copy of FORSCOM's SFDLR (Stock Funding of Depot-Level Repairables) implementation plan.

(10) One of the units visited stated that, if systems were not maintainable from an economic standpoint, the battalion would "dry up and go away." In other words, there is no need to maintain MI units and systems at division level if the division cannot afford to maintain the systems.

(11) One of the units already visited expressed the perception that the Army has reassigned personnel who have been relieved for cause from field units to instructor positions at Fort Devens and/or Fort Huachuca; the implication is that these personnel are hardly the best qualified instructors technically. The study group discussed how the Army assignment system would not necessarily prevent such an occurrence.

(12) There was discussion about the training for new warrant officers (353A). It is possible for a 33-series repairer to spend his entire enlisted service in strategic units and yet receive a warrant and be assigned to a tactical unit such as a divisional CEWI battalion. Such an individual needs additional training and familiarization on the tactical systems he is likely to encounter.

(13) MSG Walensky reported that SOF units deployed without adequate PLLs for IEW items, and that SF companies do not have authorizations for 33-series repairers (however, the support companies in Special Forces battalions are authorized 33Ts for organizational maintenance of IEW equipment).

(14) Mr. Dutton asked that FORSCOM set up visits to USAR MI units that deployed to SWA and one that did not deploy.

(15) Mr. Bazemore recommended that the study team interview CWO Perez, who is currently assigned to the MIBLI (Military Intelligence Battalion Low Intensity) in Orlando, FL, but who was in the 513th MI Battalion during Operation DS/S.

(16) Mr. Dutton passed out copies of some of the system profiles received from the MACOMs and discussed the lack of completeness thereof; Mr. Serrentino suggested that the study group send the profile sheets ahead to the units and ask that they fill in the sheets as completely as possible prior to the team's visit.

(17) Mr. Serrentino indicated that ATE (Automated Test Equipment) Detachments only test items and return them to the GS maintenance dets; they will not pass tested boxes directly to the ICS contractor.

(18) Failure to process supply transactions through the main support battalions (and other divisional DSUs/SSAs) has resulted in lack of demands at divisional level; this factor is inhibiting proper planning for implementation of SFDLR.

(19) Mr. Serrentino indicated that some MI units may still use direct exchange (maintenance work orders) rather than repairable exchange (supply transactions) to obtain serviceable LRUs; this factor will also tend to understate the OMA funds required to implement SFDLR.

(20) Although MI units are not involved in the test of the Objective Supply Capability at Fort Hood, Mr. Serrentino said he would provide flow diagrams of the test.

(21) The group discussed problems with intra-theater transportation in SWA between units and the supporting GS maintenance dets and special repair activities (SRAs).

^(22) Mr. Bazemore briefed the study team on INSCOM as follows:

(a) Materiel Support Activity - Vint Hill (MSA-V) acts as SSA for Crazy Horse system only.

(b) If CIMMC (B46) does not have parts in stock, MSA-V deals immediately with the OEM contractor.

(23) Concerning force structure developments, the team agreed there was a need for additional information on new GS maintenance companies and the teams that will support IEW equipment.

(24) SOCRATES is a USSOCOM system; a contractor based at Fort Bragg (GTE) travels to Forts Lewis, Campbell, Benning, and Devens to handle supply and maintenance problems with the system. Support has been responsive.

(25) The support flow for SSMS (SOF SIGINT Manpack System) parts is from the SOT-A (Special Operations Team - A) to the MI

(25) The support flow for SSMS (SOF SIGINT Manpack System) parts is from the SOT-A (Special Operations Team - A) to the MI detachment supporting the SF battalion to the SOFSA (Special Operations Force Support Activity) at Lexington-Bluegrass Army Depot to the OEM.

(26) There was some discussion about the potential use of SOF-unique items within mainstream Army units.

(27) Mr. Serrentino said he would provide the team with a copy of the FORSCOM-USASOC memorandum of understanding (MOU) on support.

(28) Mr. Troy Wright provided the attendees a briefing on VXI (VME with Expanded Instruments) (see enclosure 6). Mounted in a HMMWV, this system will be highly deployable and will replace many separate pieces of TMDE.

(29) Attendees reviewed the status of the following related studies:

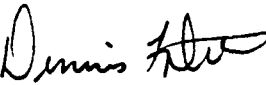
- Battlefield Performance Assessment (CIMMC, Dec 91)
- Logistics Support of Low Density Systems (CECOM, Jun 88)
- NSIA COTS/NDI Study (CECOM/ISMA, Jul 91)
- Forward Repair Activity (SLA, ongoing)
- Integrated Sustainment Maintenance Concept (SLA, ongoing)
- Single Stock Fund (SLA, ongoing)
- Area Support Group (AMC, ongoing)
- MI Relook (USAINTC, ongoing)
- Concept of Maintenance for Support of Tactical SIGINT/IEW (Post-1980) (TRADOC, Jan 78)

(30) Other studies receiving mention were as follows:

- Total Asset Visibility
- Division-based Maintenance Concept
- MI Branch Concept
- Airland Battle CSS Concept

c. Current taskings

Number	Action Item	POC	Suspense
I2100-001	Approve/release minutes from Mar 5 DA IPR	CIMMC	ASAP
I2100-002	Provide read-aheads for DA IPR	CIMMC	21 Apr
I2100-003	Provide list of DA IPR attendees	MACOMs	17 Apr
I2100-004	Provide info on Ft. Campbell test	FC J4	Next IPR
I2100-005	Provide IEW Systems by force package list	TRADOC	Next IPR
I2100-006	Provide SFDLR implementation plan	FC J4	Next IPR
I2100-007	Set up visits to USAR units	FORSCOM	Next IPR
I2100-008	Coordinate interview w/CWO Perez	INSCOM	Next IPR
I2100-009	Provide Objective Supply Capability flows	FC J4	Next IPR
I2100-010	Provide info on new GS maint companies/dets	TRADOC	Next IPR
I2100-011	Provide FORSCOM-USASOC support MOU	FC J4	Next IPR


 DENNIS F. DUTTON
 Project Officer
 IEW Study Group

6 Encls

IEW Streamlining Study
MACOM IPR, 9 Apr 92
CIMMC Conference Room
Vint Hill Farms Station, VA

ATTENDEES:

Name, Organization	Telephone (DSN/Commercial)
(P)* Dennis Dutton, USACIMMC (SELIM-IEW)	229-6340/703-349-6340
(P)* Ralph D. Riddle, USACIMMC	229-5047/703-349-5047
*Glenn Taillie, USACIMMC (SELIM-IEW)	229-6122/703-349-6122
*SFC Richard Lawrence, USACIMMC	229-7716/703-349-7716
(Alt P) Roy Bazemore, HQ INSCOM	229-2840/703-706-2840
COL R. C. Whitney, FORSCOM J2	367-5042/404-669-5042
(P) Richard Serrentino, FORSCOM J4	367-7284/404-669-7284
MAJ John P. Goggin, TRALOC (USAINTC&S)	879-2274/602-558-2274
(Alt P) MSG John Walensky, USASOC	239-5357/919-432-5357
*David Nicholas, BDM International	none/804-596-6843
*Robert Klebo, BDM International	none/804-596-6843
*Charles M. Nusbaum, BDM International	none/804-596-6843

PEO-IEW was not represented.

(P) - Study Team Principal
* - Fulltime Team Member/Support

Appendix F

***CIMMC Memo, 22 Jun 92, Subj: IEW Streamlining: IPR Minutes
(w/DA IPR Minutes, 28 Apr 92)***



DEPARTMENT OF THE ARMY
U.S. ARMY CECOM INTELLIGENCE MATERIEL MANAGEMENT CENTER
VINT HILL FARMS STATION
WARRENTON, VIRGINIA
22186-5077



REPLY TO
ATTENTION OF

SELIM-IEW

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: IEW Streamlining: IPR Minutes

22 JUN 1992

1. Reference:

- a. Draft 9 APR 92 MACOM IPR Minutes
- b. Draft 28 APR 92 Headquarters DA IPR Minutes

2. Subject minutes are now considered final. All recommended changes received prior to 8 June 92 have been incorporated and annotated with "^" in the left column.

3. POC is the undersigned, SELIM-IEW, M/S #77, DSN 229-6122.

4. CECOM Bottom Line: THE SOLDIER.

DENNIS F. DUTTON
Secretariat, IEW
Study Team

Encl

DISTRIBUTION:

Commander, FORSCOM, ATTN: FCJ4-SM (Mr. Serrentio)
Commander, INSCOM, ATTN: IALOG-R (Mr. Demy)
Commander, USAICS, ATTN: ATSI-CDG (Mr. Lovely)
Commander, USASOC, ATTN: AOIN-ST (MSG Walensky)
PEO-IEW, ATTN: SFAE-IEW-SE (Mr Hume)
Director, CIMMC, ATTN: SELIM-IEW (Mr. Riddle)

cf:

HQDA, DCSLOG, ATTN: DALO-SMD (Mr. Demchak)
HQDA, DCSINT, ATTN: DAMI-PII-I (MAJ DeWeese)
HQDA, DCSOPS, ATTN: DAMO-FDI (MAJ Andrew)
HQ Army Materiel Command, ATTN: AMCLG-SI (Mr. Shelton)
Commander, CECOM, ATTN: AMSEL-LC
Commander, CECOM, ATTN: AMSEL-LC-LM-EN (Mr. Mabray)
Director, CIMMC, ATTN: SELIM-DIR

MEMORANDUM FOR RECORD

April 30, 1992

SUBJECT: IEW Streamlining Study - Minutes of DA IPR, 28 Apr 92

1. This memorandum furnishes subject minutes for information and documentation.

2. The IPR attendees list and a copy of the briefing graphics are provided as enclosures 1 and 2, respectively.

3. Minutes herein reflect a) general administrative information, b) detailed discussions, and c) current taskings.

a. General Administrative Information

(1) The IPR was conducted in the DCSINT Conference Room at the Pentagon from 1300 to 1500, 28 April 1992.

(2) The IPR was an information briefing to update HQDA and MACOM senior staff representatives on the direction and progress of the study.

b. Detailed Discussion

(1) Mr. Scheuble of IMMC began the proceedings by indicating that the object of the study was to brief the Vice Chief of Staff of the Army (VCSA) on recommendations to streamline the sustainment of Intelligence and Electronic Warfare (IEW) equipment; he then introduced the principal briefer, Mr. Dutton of IMMC.

(2) Mr. Dutton provided a system-by-system review of study findings to date.

(3) Mr. Neal of DA DCSLOG asked about CASCOT involvement in the study and recommended looking into funding and relationships to support doctrinal changes (involving CASCOT). He then asked about project funding and was given an update. Mr. Dutton indicated that MACOMs were directed to provide funding to support their participation in the project.

(4) BG Adams indicated that the Army needs to address IEW equipment sustainment in FM 34-1.

(5) Discussion ensued about non-developmental items (NDI).

(a) BG Schneider said there was no easy solution to the NDI problem.

(b) Mr. Neal indicated he thought the Army was getting out of the NDI business. He asked why are so many fieldings occurring outside the developmental routine; why are they "popping up" out of MACOMS? He asked if INSCOM was the only MACOM doing echelon above corps (EAC) and was told that FORSCOM was also fielding EAC systems.

(c) Mr. Davis of DA DCSINT indicated that many FORSCOM NDI were originally procured as training items, and, when it was seen that they could perform operational missions, they were put to such use despite the lack of established, traditional support structures. He said that FORSCOM was "well served" to take the initiative of fielding the systems.

(d) Mr. Scheuble elaborated on special repair activities and the support they provide to NDI.

(e) GS Maint Dets are very concerned about having to support NDI.

(6) Mr. Serrentino of FORSCOM said that, within five years, the GS Maint Dets will no longer be in the force structure. He also stated that many supply transactions for IEW items are not being reported through, and captured by, SSAs (supply support activities) and that there needs to be a memorandum of understanding between AMC and FORSCOM covering support to NDI fielded by FORSCOM for which support is being transferred to AMC.

(7) Mr. Davis believed that the study should include acquisition documents other than DoD 5000.1 and 5000.2; however, he stated that the focus of the study was how to integrate IEW logistics systems and not on the acquisition process.

(8) Mr. Skurka of CECOM declared that separating the acquisition piece from the support piece makes sense for the Streamlining Study (i.e., the study group should concentrate on sustainment issues rather than becoming too involved in acquisition issues).

(9) BG Adams then asked if the equipment list was all inclusive; he was told that the list of systems being reviewed was an extensive sample of IEW equipment systems.

(10) Mr. Skurka also indicated the study group should interview on-site OEM contractors, particularly for J-STARS.

(11) The study group should not recommend any new non-standard TMDE: "We want them to be sold on IFTE" (Mr. Neal).

(12) The Intelligence School at Fort Devens is doing a study for PERSCOM on IEW repair frequencies and how well they matched up with training for IEW repairers.

(13) Mr. Treusdell of HQ AMC said the study group needs to involve TRADOC's CASCOM to ensure we do not have to revisit these issues every five years. There is a need to tie the logistics community closer to the acquisition community.

(14) Mr. Davis said to keep a pragmatic focus to the study; the Concept Based Requirements System (CBRS) works just fine; keep the study's focus narrow to improve support to current systems.

(15) Mr. Neal agreed that this study should not attempt to fix the acquisition process.

(16) Mr. Treusdell felt that the study could apply to other commodities, particularly high tech areas, and should involve TRADOC and CASCOM.

(17) Mr. Neal said the study needs to look at OSC (Objective Supply Capability). He indicated that, just because the Army authorizes four levels of maintenance, no particular system has to employ all four levels.

(18) BG Adams and Mr. Neal then congratulated Mr. Dutton on the clarity and comprehensiveness of the briefing.

(19) BG Adams summarized the proceedings as follows:

(a) TRADOC needs to participate fulltime. CASCOM needs to be more heavily involved; the study group cannot wait for CASCOM to complete all their vision papers in this area.

(b) Immediate charter is IEW, so do not spend a lot of time looking at other commodities.

(c) Study group needs to present a solid action plan with feasible recommendations.

(d) The funding issues for the study itself have been prioritized and submitted by DCSOPS.

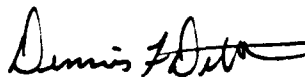
c. Current taskings

Number	Action Item	POC	Suspense
I2119-001	Seek CASCOM involvement	TRADOC	1 May
I2119-002	Interview OEM contractor(s)	IMMC	ASAP
I2119-003	Review Objective Supply Capability	IMMC	ASAP

Prepared by:
BDM International

Approved by:
IEW Streamlining Study Group

DAVID P. NICHOLAS
Project Manager


DENNIS DUTTON
Secretariat

2 Encls

IEW Streamlining Study
DA IPR, 28 Apr 92
DA DCSINT Conference Room
Washington, DC

ATTENDEES:

Name, Organization	Telephone (DSN/Commercial)
BG R. E. Adams, HQDA (DAMO-FD)	225-0527
MAJ Lewis Thompson, HQDA (DAMO-FDI)	225-4256
MAJ Brad Andrew, HQDA (DAMO-FDI)	227-6527/703-697-6527
BG Mike Schneider, DCG INSCOM	703-706-1637
J. D. Davis, HQDA (DAMI-ZD)	227-4644
MAJ Kirk Deweese, HQDA (DAMI-FDI)	223-2037
William Neal, HQDA (DALO-SMZ-B)	227-5411
Donald Demchak, HQDA (DALO-SMC)	225-3280/703-695-3280
Helmut Schelenz, HQDA (DALO-SMC)	225-3280/703-695-3280
R. Treusdell, HQ AMC	703-274-9718/9
^ R. Demy, INSCOM (IALOG-R)	229-2039
William Shelton, HQ AMC (AMCLG-SI)	284-9311/703-274-9311
J. M. Skurka, HQ CECOM	992-2806
L. Scheuble, USACIMMC	229-5011
(P)* Ralph D. Riddle, USACIMMC	229-5047/703-349-5047
(P)* Dennis Dutton, USACIMMC (SELIM-IEW)	229-6340/703-349-6340
*Glenn Taillie, USACIMMC (SELIM-IEW)	229-6122/703-349-6122
*SFC Richard Lawrence, USACIMMC	229-7716/703-349-7716
(P) Richard Serrentino, FORSCOM J4	367-7284/404-669-7284
M. W. Kerns, FORSCOM J2 (FCJ2-D)	367-7532/404-669-7532
(P) CPT Michael Grossi, TRADOC (USAINTC&S)	879-2274/602-558-2274
(P) Luke Taylor, USASOC	239-9668
(Alt P) MSG John Walensky, USASOC	239-5357/919-432-5357
(P) Pete Hume, PEO-IEW	229-5934/703-349-5934
Alan Lindley, PM-SW	249-6828
*David Nicholas, BDM International	none/804-596-6843
*Robert Klebo, BDM International	none/804-596-6843
*Charles M. Nusbaum, BDM International	none/804-596-6843
David Condit, JB Sys Engr Spt Co	229-5047/703-349-5047

(P) - Study Team Principal

* - Fulltime Team Member/Support

HQ DA
GENERAL OFFICER IPR
28 APR 1992

INTELLIGENCE AND ELECTRONIC
WARFARE (IEW) BATTLEFIELD
SUSTAINMENT STREAMLINING



BRIEF OUTLINE

- PURPOSE
- BACKGROUND
- MILESTONE SCHEDULE
 - STUDY PLAN
 - SUPPORT DOCTRINE ANALYSIS
 - SYSTEM LEVEL ANALYSIS
 - ACQUISITION DOCUMENTATION REVIEW
 - TECHNOLOGY/TRAINING ASSESSMENT
 - RESERVE COMPONENT SUPPORT
- SUMMARY
- OPEN DISCUSSION

00101-00

TASKING

• "...CONDUCT A SYSTEM-BY-SYSTEM REVIEW OF BATTLEFIELD
IEW FOR ALL ECHELONS OF SUSTAINMENT."

LETTER VCSA 01 NOV 1991

• "...THE OBJECTIVE OF THIS ANALYSIS IS TO DETERMINE
HOW TO INTEGRATE AND STREAMLINE BATTLEFIELD SUS-
TAINMENT OF IEW OPERATIONS ON A DYNAMIC AND AUSTERE
AIRLAND BATTLEFIELD, WITH PARTICULAR FOCUS ON SUPPORT
TO KEY, ADVANCED TECHNOLOGY NDI PROTOTYPE SYSTEMS."

TABLE 100

VCSA HQDA MESSAGE DTG 012000Z NOV 91

PURPOSE

- INFORMATION BRIEF
- TO REVIEW THE TASKING, SCHEDULE, AMC
STUDY PLAN, PROGRESS AND FUTURE ACTIONS

00101-00

BACKGROUND TASK DRIVERS

- DESERT SHIELD DEPLOYMENT OF MANY NDI
AND PROTOTYPE IEW SYSTEMS
- RESULTANT NUMEROUS LINES OF SUPPORT
OFTEN CONTRACTOR INTENSIVE
- REDUCTIONS IN FORCE STRUCTURE
- EFFICIENCIES IN O&S COSTS

TABLE 100

STUDY PRINCIPALS

HQDA OVERSIGHT - DCSOPS, DCSLOG, DCSINT

STUDY LEAD -

AMC through CECOM IMMC
MR RALPH RIDDLE DSN 229-6047
MR DENNIS DUTTON DSN 229-6340

PARTICIPANTS -

TRADOC (DOCTRINE)
INTEL CNTR & SCHOOL
CPT GROSSI DSN 879-2274
IIJSCOM (EAC)
MR ROY BAZEMORE DSN 229-2840
FORSCOM (ECB)
MR DICK SERRENTINO DSN 367-7184
SCOM (SOF)
MSG WALENSKY DSN 239-6357
PEO-EW (ACQUISITION)
MR PETE HUME DSN 229-6934

STUDY RESOURCES

PART TIME SUPPORT:

MACOM STUDY PRINCIPALS
(PLUS TDY FOR IPRs)

FULL TIME SUPPORT: CIMMC RESOURCED "OUT of HIDE"

- INITIATED CONTRACT SPT (BDM INT.)
- CIMMC PERSONNEL
 - .. 1 GM-15
 - .. 2 GS-12's
 - .. 1 SFC(P)

(INCLUDING TDY -- APPROX \$ 620K)

INSCOM RE-EVALUATING RESOURCE SPT

(STUDY UFR SUBMITTED THRU CHAIN \$15 M)

FY 92 BATTLEFIELD SUSTAINMENT MILESTONES

MAJOR TASKS

- PLANNED
- ACTUAL
- PLANNING
- DATA COLLECTION
- ANALYSIS
- RECOMMENDATIONS

1st QTR 2nd QTR 3rd QTR 4th QTR

JAN FEB MAR APR MAY JUN JUL AUG SEP

STUDY PLAN

CONTRACT SPT

SPT DOCTRINE ANALYSIS

SYSTEM LEVEL ANALYSIS

ACQ DOC REV

TECH/TNG ANALYSIS

RESERVE SPT

IPRs

- MACOM

- HQDA

- MACOM GO

- COUN OF COLs

- DA GO

- VCSA

(... CONSIDERED DURING SYSTEM LEVEL ANALYSIS... PER HQDA MAR IPR)

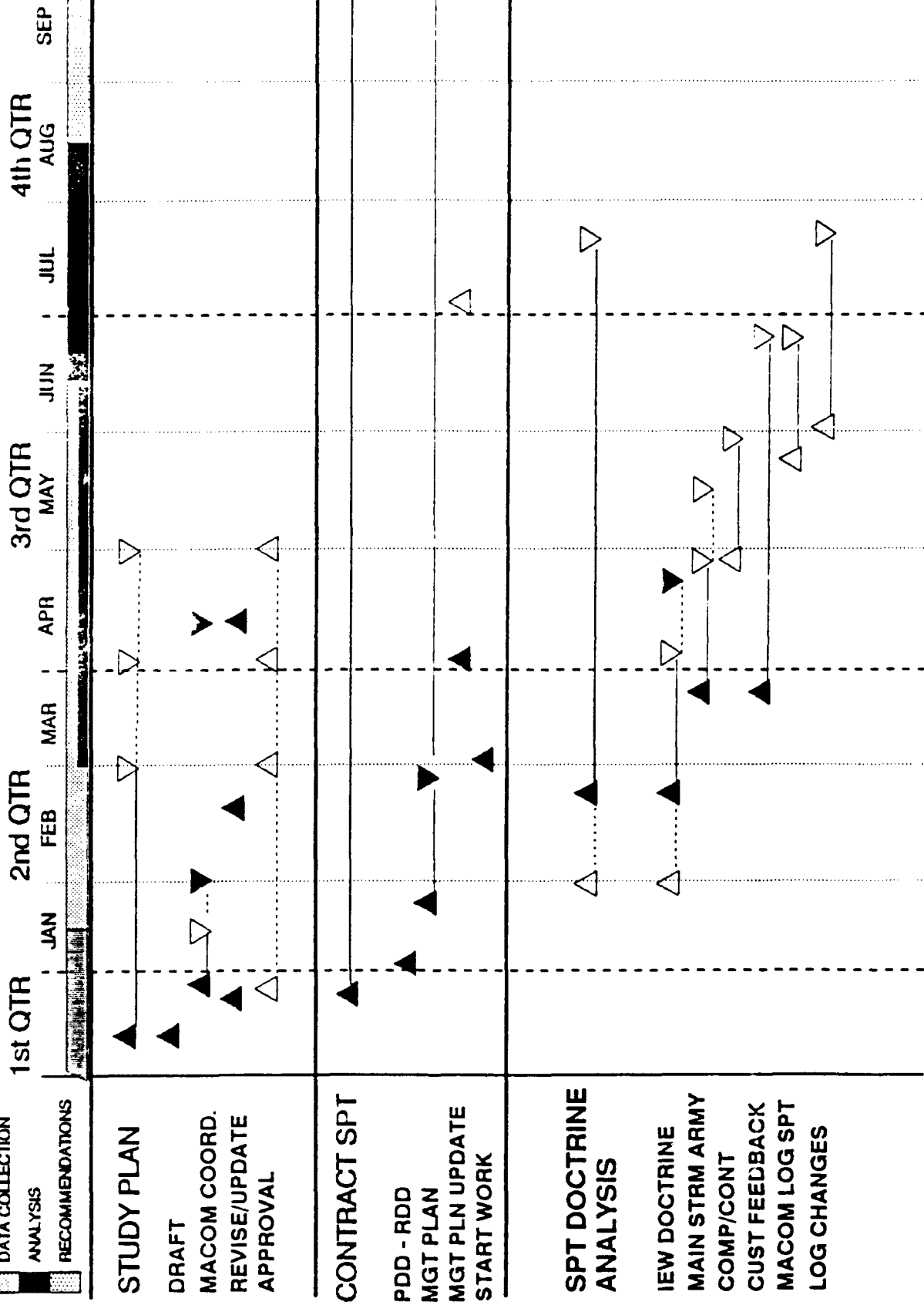
(MID OCT 92)

MILESTONE

FY 92 BATTLEFIELD SUSTAINMENT MILESTONES

TASK DETAIL

- PLANNED
- ACTUAL
- PLANNING
- DATA COLLECTION
- ANALYSIS
- RECOMMENDATIONS



SUPPORT DOCTRINE ANALYSIS

COMPLETED ACTIONS:

- ✓ IEW (UNIQUE) SUPPORT DOCTRINE EVOLUTION
ASA-TO-TODAY (FM 34-1)
- ✓ 'MAINSTREAM' ARMY SUPPLY FLOW ANALYSIS

FUTURE ACTIONS:

- DETERMINE STRENGTHS AND WEAKNESSES OF IEW
SUPPORT USING FEEDBACK FROM 'FIELD'
- 'MAINSTREAM' ARMY MAINTENANCE FLOW ANALYSIS
- COMPLETE IEW & 'MAINSTREAM' COMPARISON
- UNDERSTAND SCOPE OF SPECIAL MACOM SUPPORT
ORGANIZATIONS
- ASSESS OPPORTUNITIES AND IMPACTS ASSOCIATED
WITH EVOLVING ARMY LOGISTICS CONCEPTS

010001 01

STUDY PLAN STATUS

ACTION

REVISED SUBMISSION MADE TO HQ AMC,
15 APRIL 1992

STATUS

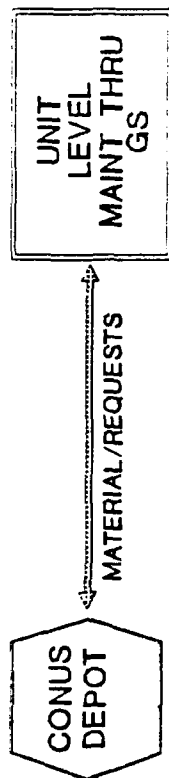
PENDING HQ AMC APPROVAL

FUTURE ACTIONS

PERIODIC REVIEW FOR UPDATE/MODIFICATION
AS NECESSARY

010001 01

ASA MAINTENANCE CONCEPT (PRE 1980)



00107-46

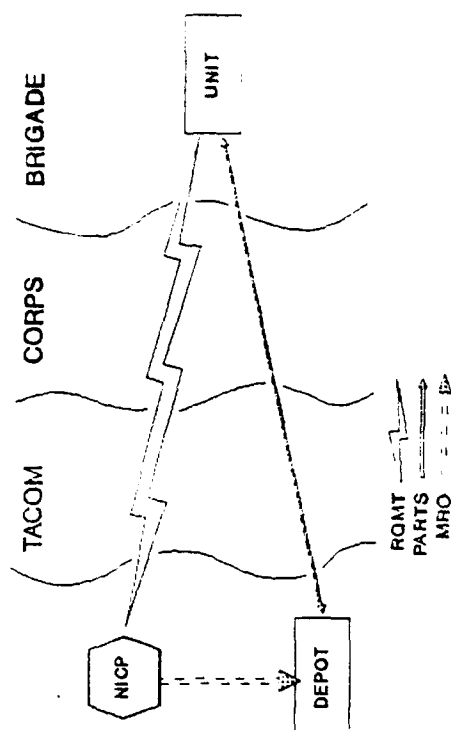
ATCO-S-L

POST 1980 IEW SUPPORT MAINTENANCE

- IMPLEMENT FOUR LEVELS OF MAINTENANCE
- HEAVY RELIANCE ON ATE (RETAINED AT CORPS)
- REDUCED TECHNICAL SKILL REQUIREMENTS AT DS-ORG (BLACK BOX / CARD SWAP)
- OPPOSES DS CONSOLIDATION WITH DIV MAINT BN
 - REDUCED NUMBER COMPLEXITY OF DS TASKS
 - UNIQUE INTELLIGENCE MISSION
 - MI BN ONLY IEW EQUIP USER IN DIV
 - CONCERN WITH PHYSICAL SECURITY
- FOUR LEVEL SPT DEVIATION REQUIRES HQDA APPROVAL

0001001

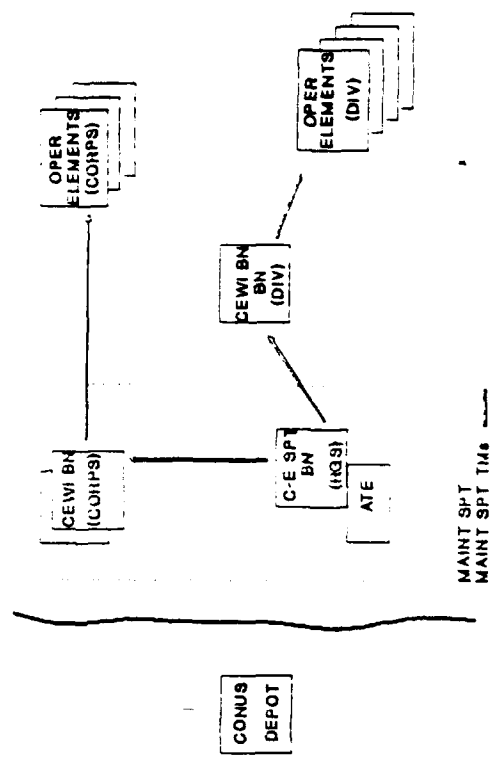
ASA NICP-TO-UNIT "STOVEPIPE" SUPPLY SYSTEM



00107-15

ALCO-1-1 JUNE 15 (PRE 1980)

POST 1980 IEW MAINT. SPT CONCEPT



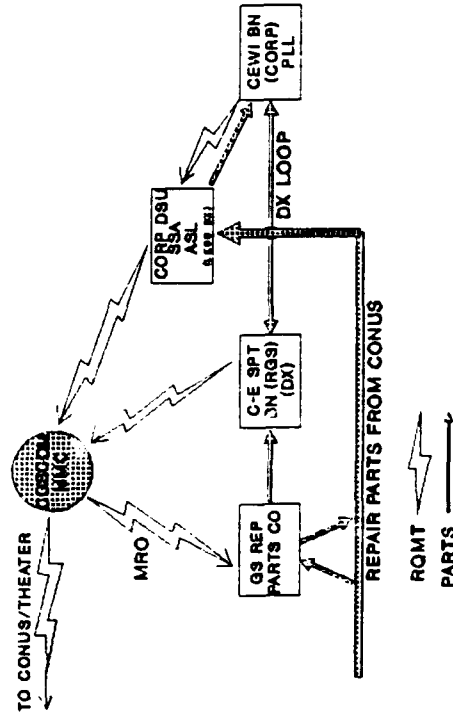
001000A

POST 1980 IEW SUPPORT SUPPLY/DISTRIBUTION

- HIGH COST LOW DENSITY -- INTENSIVE MGT REQUIRED AT WHOLESALE AND RETAIL
- USE WEAPON SYS CODE TO EXPEDITE
- DMMC/CMMC SHOULD NOT DELAY DUE TO VALUE
- CEWI BN SUBMIT REQUESTS TO LIGHT MAINT CO (ASL)
- DX WITH RGS ; SUBMIT REQUEST TO DMMC/CMMC TO INCREASE PLL FOR DX ITEMS
- COSCOM ASL LOCATED WITH:
 - DESIGNATED GS REPAIR PARTS CO
 - DX FACILITY OF C-E SPT BN (RGS)
- DX COMPONENTS MAINTAINED AT RGS DX FACILITY
- DEDICATED DIV AIR LIFT REQUIRED TO SUSTAIN SUPPLY (BACK-UP GROUND TRANSPORT)

POST 1980

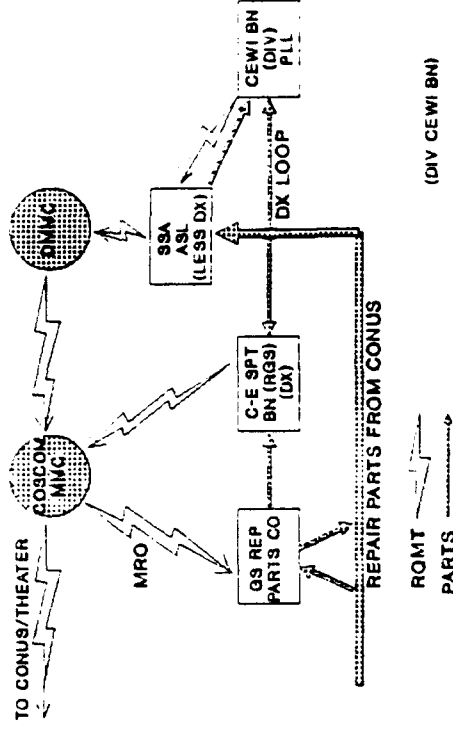
POST 1980 IEW TACTICAL CONCEPT OF SUPPORT (NON-DIV)



CONCEPT OF MAINTENANCE FOR SUPPORT OF
TACTICAL SIGINT/IEW SYSTEMS (POST 1980)

POST 1980

POST 1980 IEW TACTICAL CONCEPT OF SUPPORT (DIV)



CONCEPT OF MAINTENANCE FOR SUPPORT OF
TACTICAL SIGINT/IEW SYSTEMS (POST 1980)

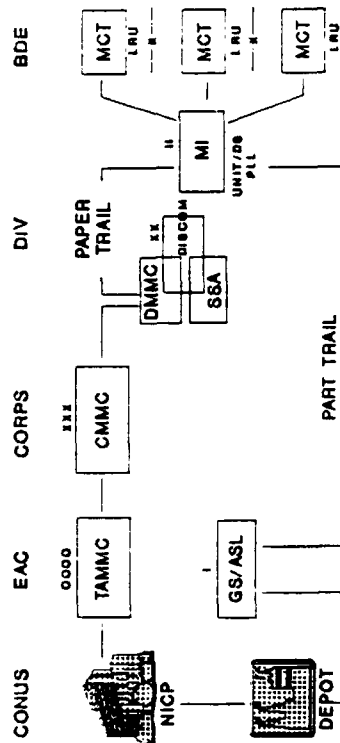
POST 1980

POST 1980 IEW SUPPORT TRAINING

- REDUCED MAINT SKILLS REQUIRED FOR ORG-DS
- ENTRY PERSONNEL RECEIVE SHORT COURSE AND ASSIGNED TO ORG-DS MISSION
- CAREER PERSONNEL GIVEN FOLLOW-ON TNG
 - ASSIGNED TO GS/DEPOT
 - PROVIDE SUPERVISION OF ORG-DS MAINT

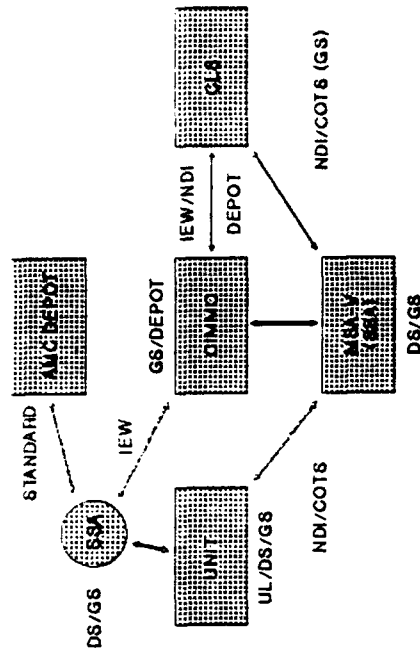
POST 1980

DOCTRINAL IEW SUPPLY/MAINTENANCE (FM 34-1)



"MAINSTREAM" SUPPLY FLOWS

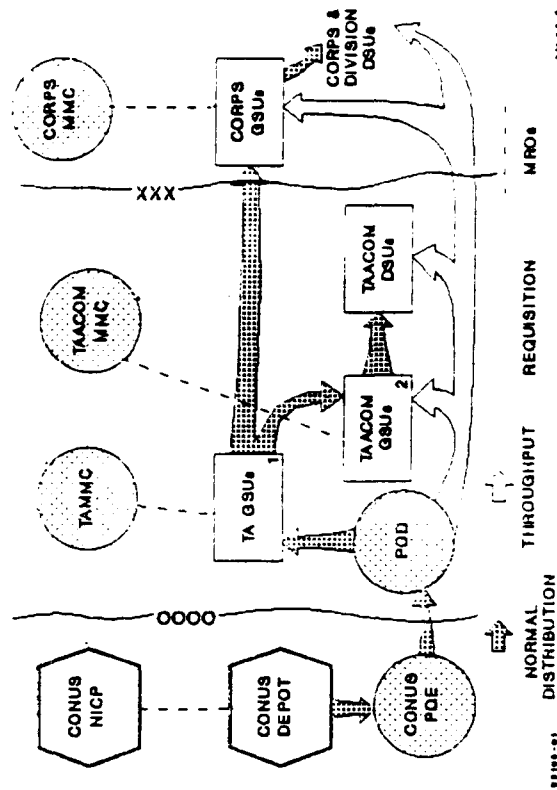
INSCOM IEW EQUIPMENT



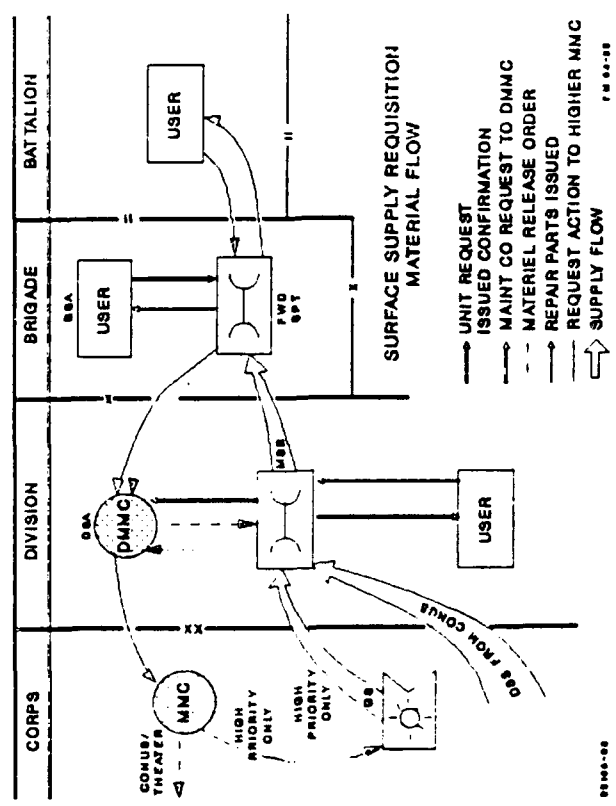
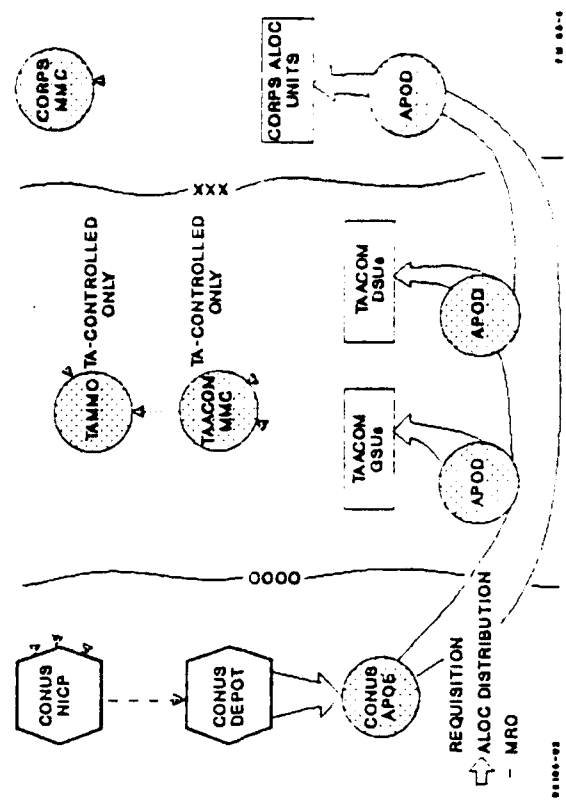
IAW AR 760-1, "THE CG, INSCOM WILL OPERATE AND MAINTAIN ASSIGNED COMMAND UNIQUE INTELLIGENCE MATERIEL THROUGH GS LEVEL."

INSCOM92

SURFACE SUPPLY REQUISITION & MATERIAL FLOW



SURFACE SUPPLY REQUISITION & MATERIAL FLOW

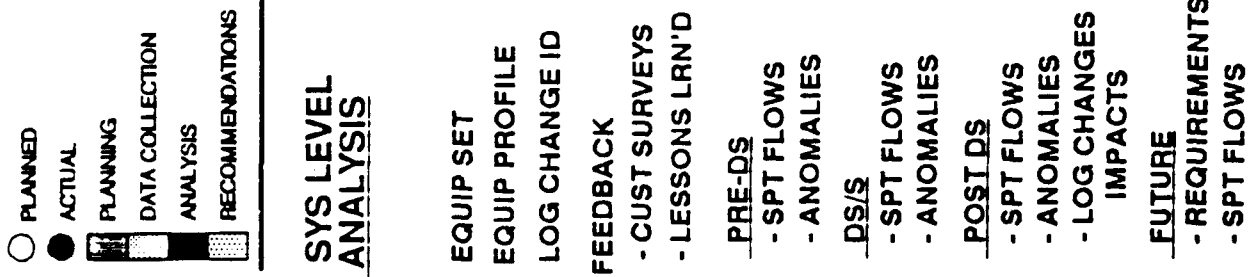


SUPPORT DOCTRINE ANALYSIS SUMMARY

- DOCTRINE ANALYSIS CRITICAL TO STUDY RESULTS
- NO PROGRAM SLIPPAGES FORECASTED
- PLANNED DOCTRINE OUTPUT PRODUCTS:
 - AIMP LOGISTICS ANNEX
 - REVISED SUPPLY/MAINT REGULATIONS (as needed)
 - IEW LOGISTICS INPUT TO FIELD MANUALS

FY 92 BATTLEFIELD SUSTAINMENT MILESTONES

TASK DETAIL



EQUIPMENT STUDY SET SELECTION CRITERIA

SYSTEM LEVEL ANALYSIS

- EQUIPMENT SET FOR STUDY
 - BATTLEFIELD SUSTAINMENT FLOWS
 - USER FEEDBACK
 - SUMMARY OF PROGRESS
 - FUTURE ACTIONS
- A SAMPLE OF CURRENT AND FUTURE IEW SYSTEMS WHICH REPRESENTS:
- EAC AND ECB SYSTEMS
 - DEVELOPMENTAL/NON-DEVELOPMENTAL SYSTEMS
 - ARMY STANDARD/NON-STANDARD
 - PEO/MACOM ACQUIRED SYSTEMS
 - LOW DENSITY (VOLUME)

01001-00

EQUIPMENT STUDY SET CURRENT SYSTEMS (26)

/O/O OUTS)		---	---	SOCRATES
AN/TRR-27A	AN/FSQ-144 (I)	AN/TSQ-132(V2)	J-STARS (GSM)	
AN/ULO-11	CEFIRM LEADER	---	HAWKEYE	
AN/PRD-11	MANPACK DF	OW109/TSQ-134	THMT	
AN/TRQ-37	TACFIX	AN/TSQ-134	EPDS	
AN/UHQ-19	RACJAM	---	IPDS	
AN/TSQ-164	DRAGONFIX	OW108/TSQ-134	ETUT	
AN/GRC-27	GOLDWING			
AN/UYK-71A	MICROFIX			
AN/USD-9	GUARDRAIL V			
AN/TSQ-130	TCAC			
AN/ALQ-133	QUICKLOOK			
AN/AP8-94F	OV1D			
AN/TRQ-32	TEAMMATE			
AN/TLO-17A (V3)	TRAFFICJAM			
AN/TLO-17A (V3 MOD)	SANDCRAB			
AN/ALQ-151	QUICKFIX			
AN/TSQ-138	TRAILBLAZER			
AN/USD-9A	I-GUARDRAIL			

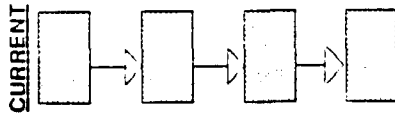
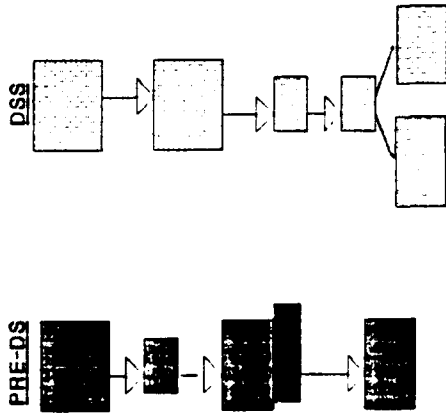
01001-01

EQUIPMENT STUDY SET FUTURE SYSTEMS (10)

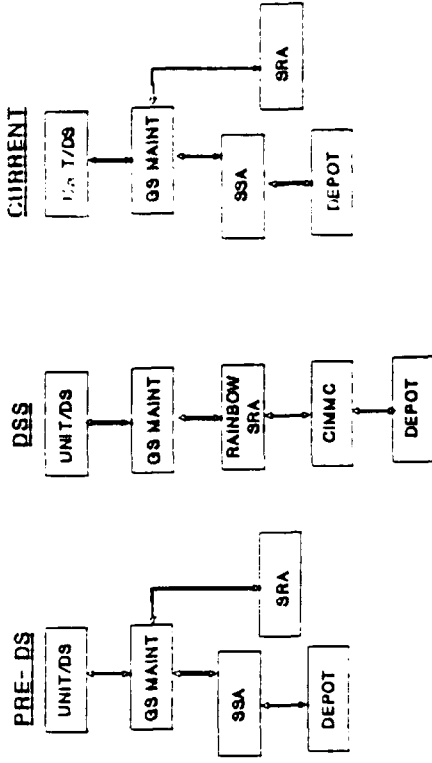
AN/TSQ-152	TRACKWOLF
AN/ALQ-151(V)	ADVANCED QUICKFIX
AN/PRD-12	LMRDFS
AN/TSQ-XXX	GROUND BASED COMMON SENSOR (L)
AN/TSQ-XXX	GROUND BASED COMMON SENSOR (H)
AN/USD-9B	GUARDRAIL COMMON SENSOR
---	JAY (SR)
---	UAV (C)
---	IMETS
---	SSMS

01001-02

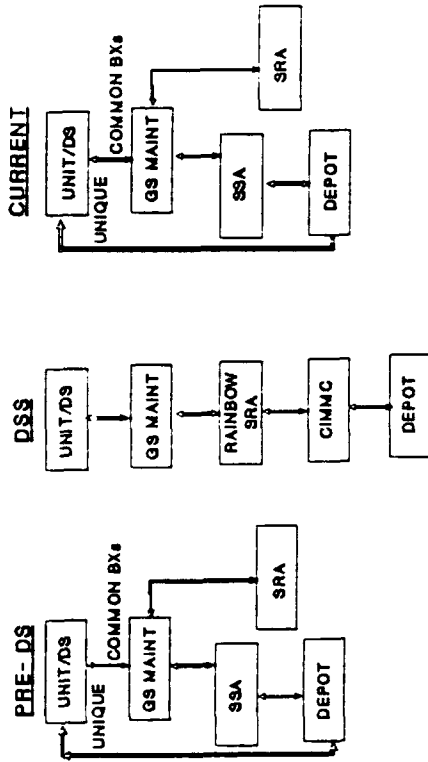
SYSTEM LEVEL SUPPORT



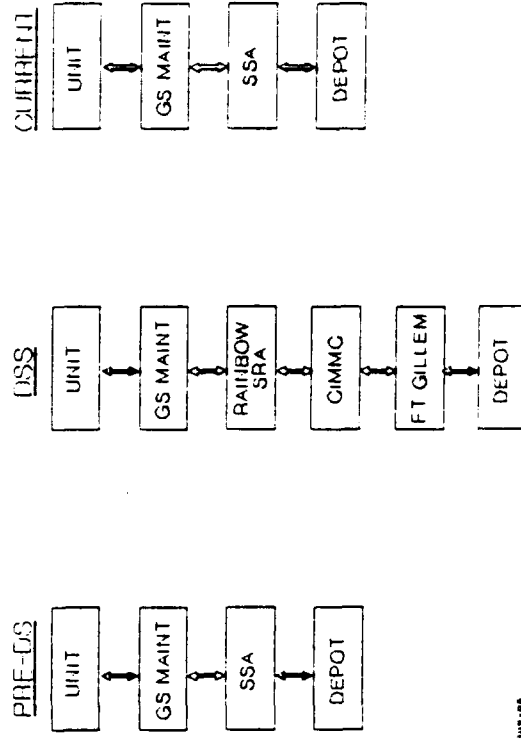
ALQ-151 / TLQ-17A SUPPORT



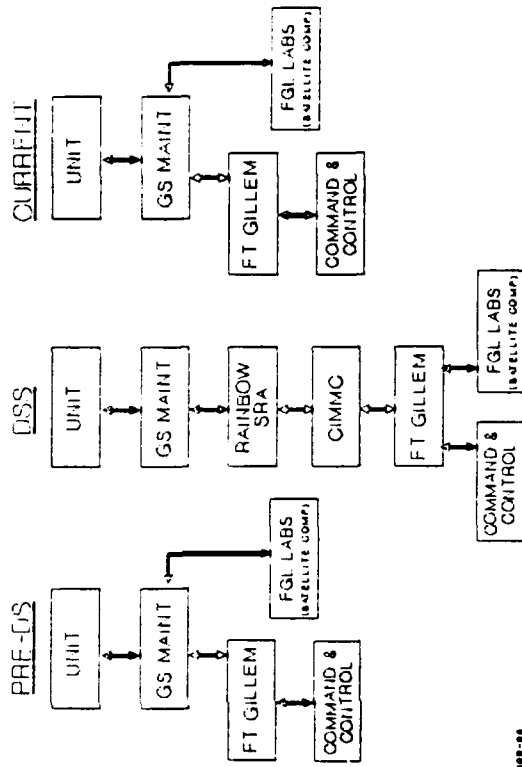
TSQ-138 SUPPORT



AN/PRD-11 / AN/ULQ-19 / TRQ-37 (FORSCOM NDI)

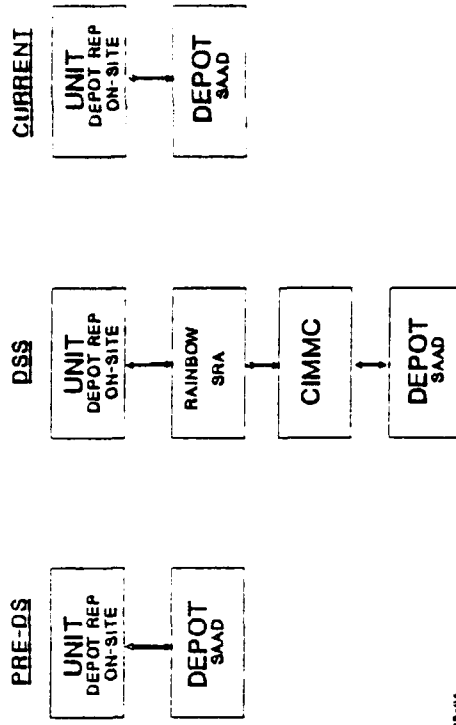


AN/GRQ-27A GOLDWING (FORSCOM NDI)



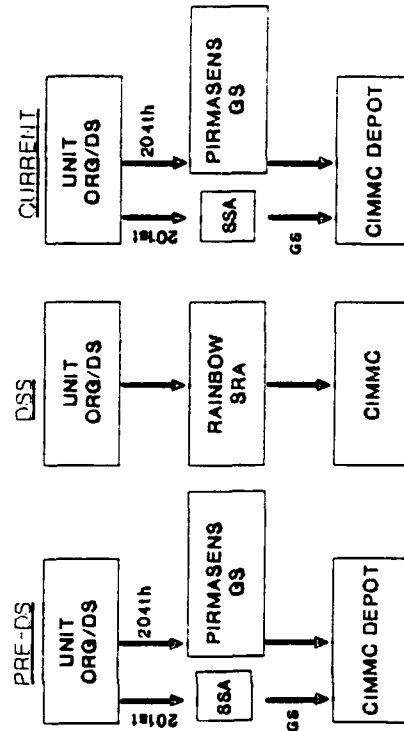
00000-00

GUARDRAIL V



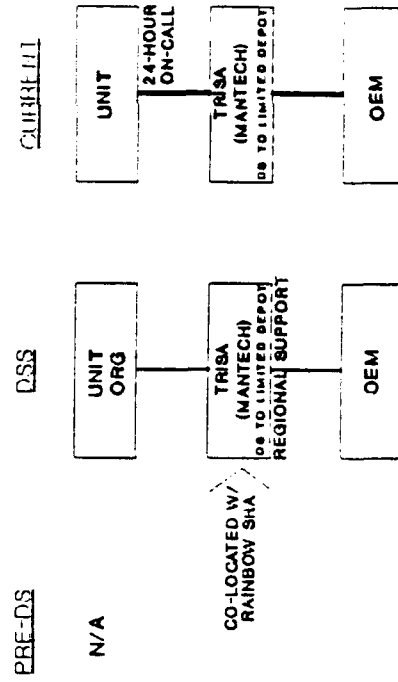
00000-00

AN/TRR-27A



00000-00

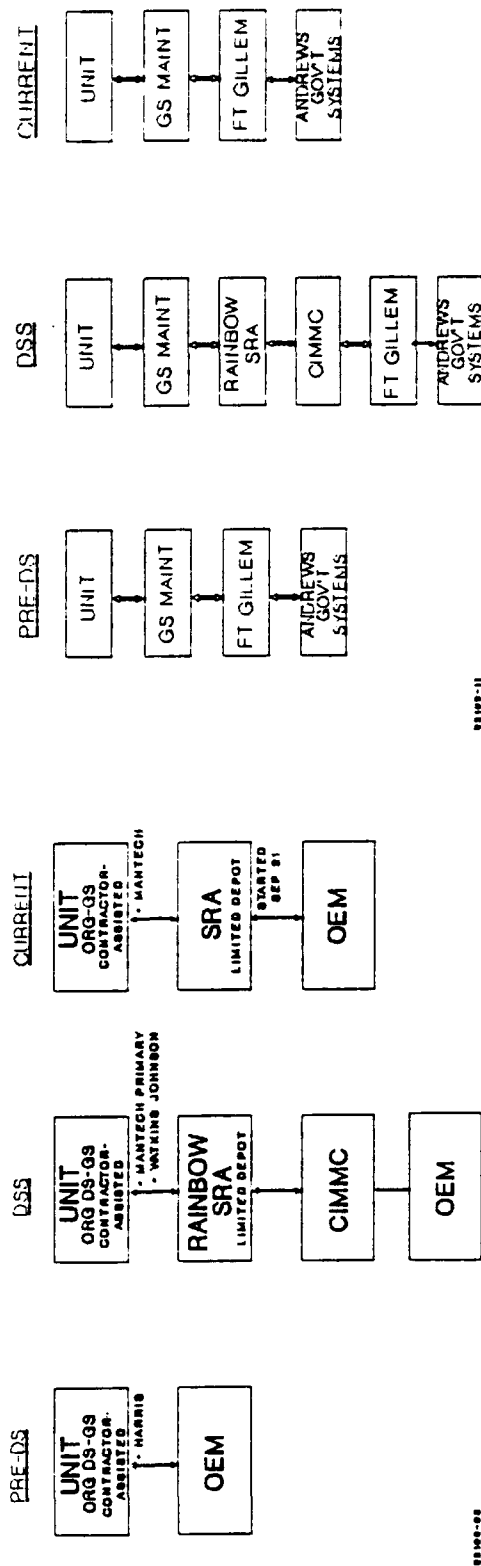
TROJAN SPIRIT



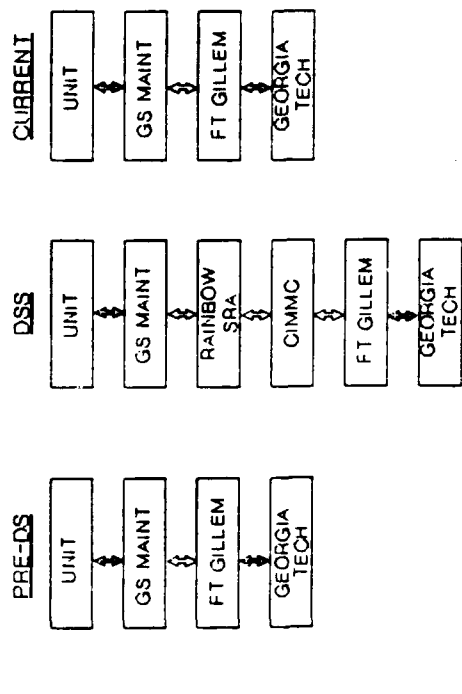
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CEFIRM LEADER

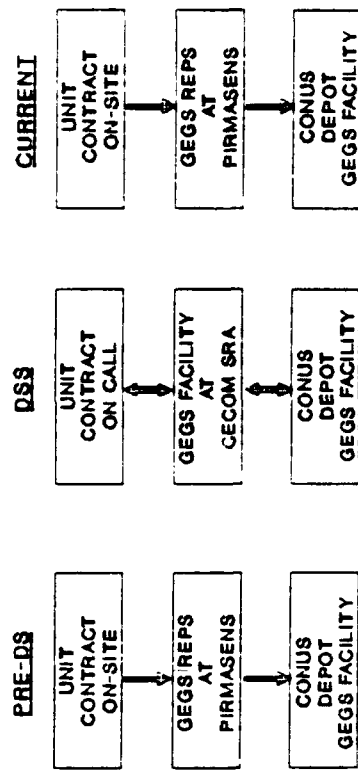
AN/TSQ-164 DRAGON FIX



AN/UYK-71A MICROFIX



TCAC



(GEGS, i.e., GENERAL ELECTRIC GENERAL SYSTEMS)

QUICKLOOK II AN/ALQ-133

RADAR SURVEILLANCE SET AN/APS-94F (OV-1D)

PRE-DSS

DSS

CURRENT



PRE-DSS

DSS

CURRENT

00000-01

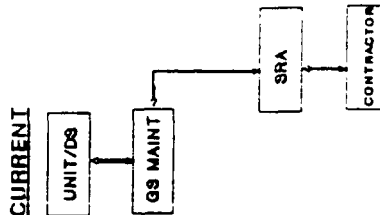
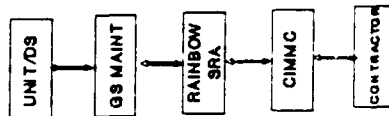
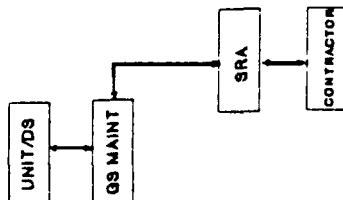
00000-02

TRQ-32 SUPPORT

PRE-DSS

DSS

CURRENT



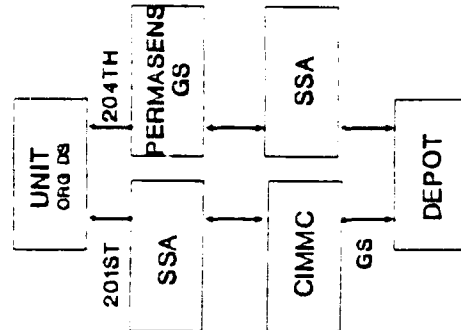
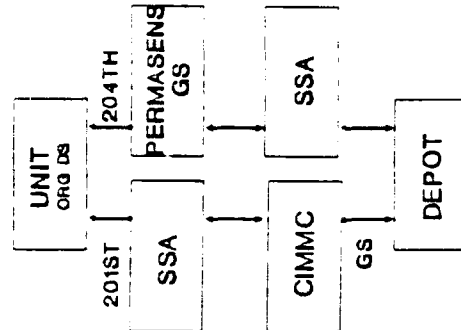
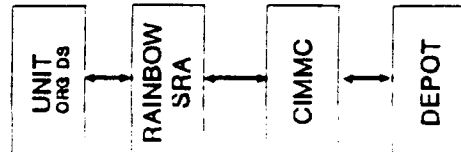
SANDCRAB

PRE-DSS

DSS

CURRENT

NA

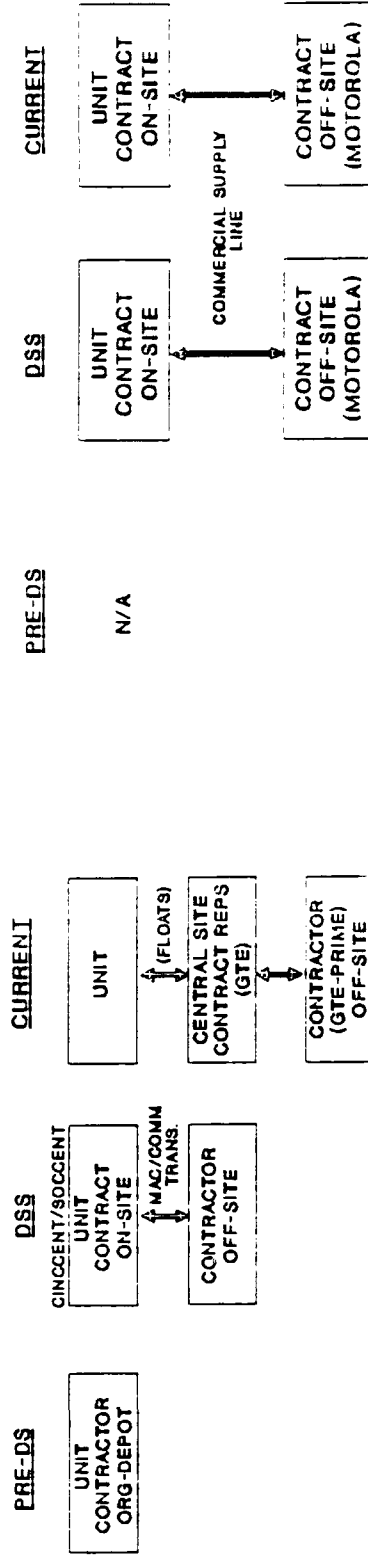


00000-03

SOCRATES

(SOF UNIQUE - NDI)

JSTARS (GSM)



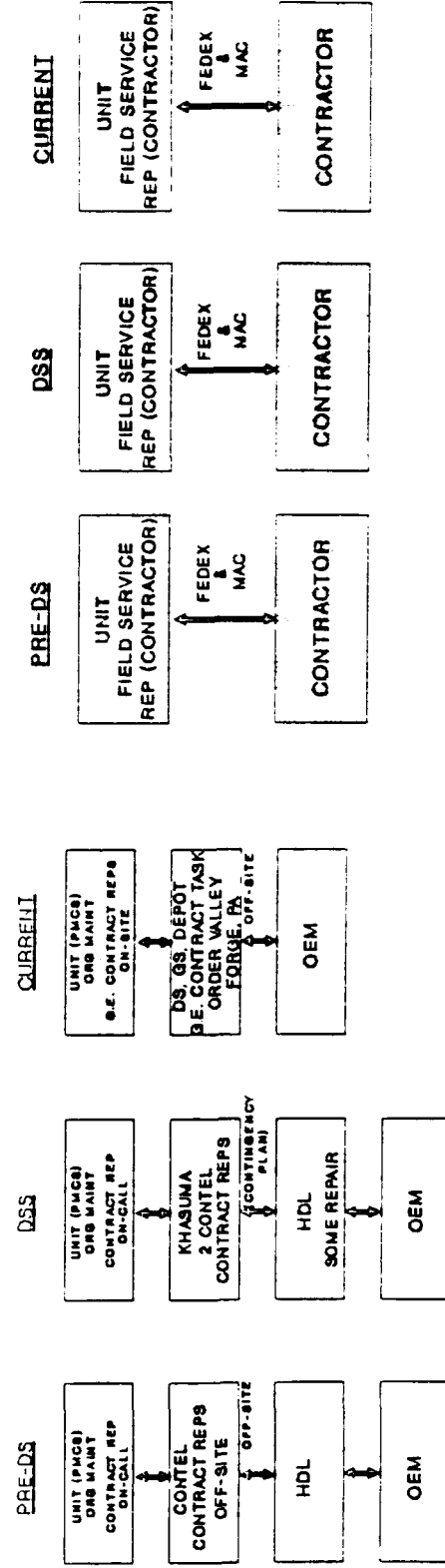
00100-10

00100-07

HAWKEYE

ALL SOURCE ANALYSIS SYSTEM (ASAS)

THMT

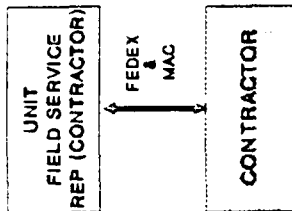


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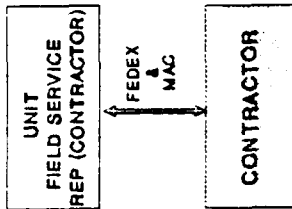
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EPDS

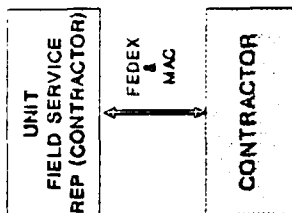
PRE-DSS



DSS

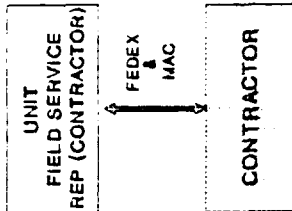


CURRENT

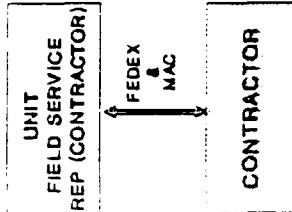


IPDS

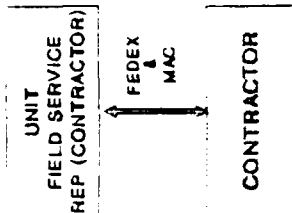
PRE-DSS



DSS



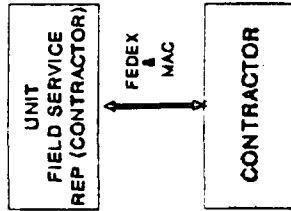
CURRENT



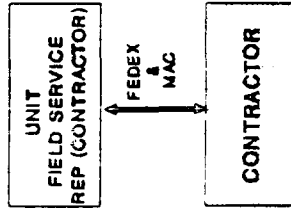
931007-10

ETUT

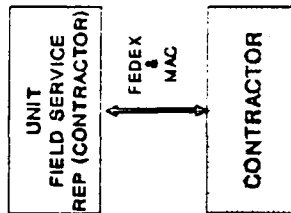
PRE-DSS



DSS



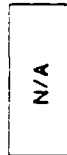
CURRENT



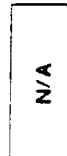
931007-10

SSMS (SOF UNIQUE - NDI)

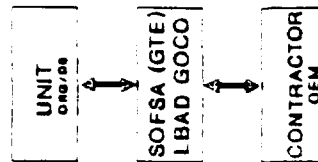
PRE-DSS



DSS



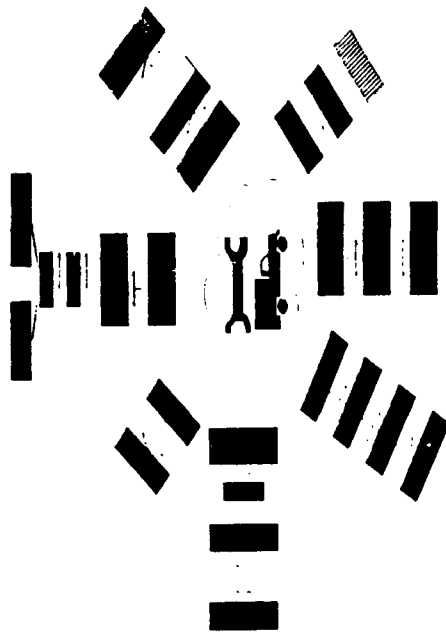
CURRENT



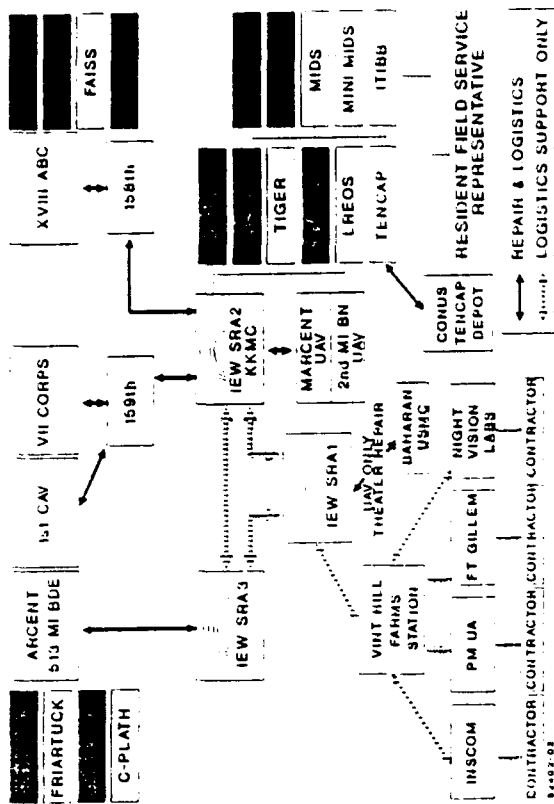
• SSMS IS A NEAR FUTURE SYSTEM FLOW DEPICTS ANTICIPATED SUPPORT.

931007-10

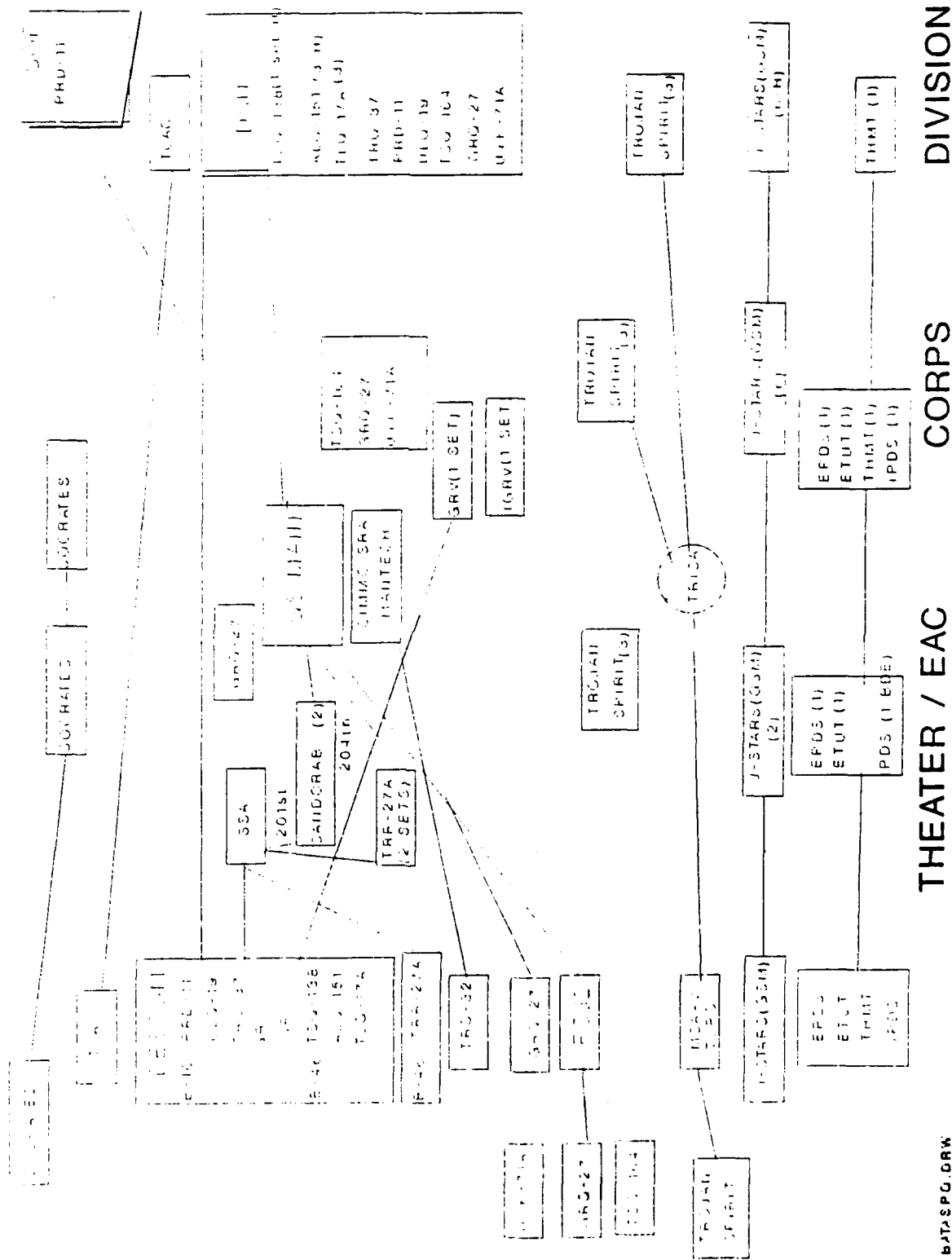
SUPPORT FLOWS ON THE BATTLEFIELD



PLANNED SWA IEW NDI FLOW



SYSTEMS ON BATTLEFIELD



SOE
APR 11
1964



The diagram is a complex organizational chart titled "SWA CONSOLIDATED SUPPLY LINE (PLANNED)". It illustrates a hierarchical structure for a planned supply line, likely for a military or intelligence operation. The chart is organized into several main branches and a central hub.

Top Level: The chart is headed by "SOF PRD-11" (Special Operations Forces, Product 11). Below this, the structure branches into several key units:

- DSU (Data Support Unit):** This unit is connected to "SOF PRD-11" and "SOF PRD-11". It includes sub-units: "TSQ-138 (1 set-H)", "ALQ-161 (3-H)", "TLQ-17A (3)", "TRQ-82", "TRQ-37", "PRD-11", "ULQ-19", "TSQ-184", "GRQ-27", "UYK-71A", and "TCAC".
- GRQ-27 (Ground Reconnaissance Squadron):** This unit is connected to "DSU" and "SOF PRD-11". It includes sub-units: "TSQ-184", "GRQ-27", "UYK-71A", "GRV(1 SET)", "IGHV(1 SET)", "TROJAN SPIRIT(3)", and "ON-CALL SPT".
- SSA (Special Source Activity):** This unit is connected to "SOF PRD-11" and "SOF PRD-11". It includes sub-units: "201st", "SANDCRAB (2)", "204th", "TRR-27A (2 SETS)", "CINMC SRA", and "MANTECH".
- DESJOM (Descriptive Intelligence Operations Management):** This unit is connected to "SOF PRD-11" and "SOF PRD-11". It includes sub-units: "B-16 PRD-11", "ULQ-19", "TRQ-37", "GRV", "IGHV", "B-46 TSQ-138", "ALQ-151", "TLQ-17A", "B-46 TRR-27A", "TRQ-32", "GRQ-27", "FQJ2", "ASA-V TLPO", "TROJAN SPIRIT", "J-STARS(GSM)", "J-STARS(GSM) (2)", "J-STARS(GSM) (6-H)", and "THMT (1)".

Central Hub: The chart features a central hub labeled "CO-LOCATED RAINBOW SRA TRISA". This hub is connected to several key units and sub-units:

- ON-CALL SPT (On-Call Support Team):** This unit is connected to the central hub and "GRQ-27".
- TROJAN SPIRIT(3):** This unit is connected to the central hub and "ON-CALL SPT".
- J-STARS(GSM):** This unit is connected to the central hub and "J-STARS(GSM) (2)".
- J-STARS(GSM) (2):** This unit is connected to the central hub and "J-STARS(GSM) (6-H)".
- J-STARS(GSM) (6-H):** This unit is connected to the central hub and "THMT (1)".
- THMT (1):** This unit is connected to the central hub and "THMT (1)".

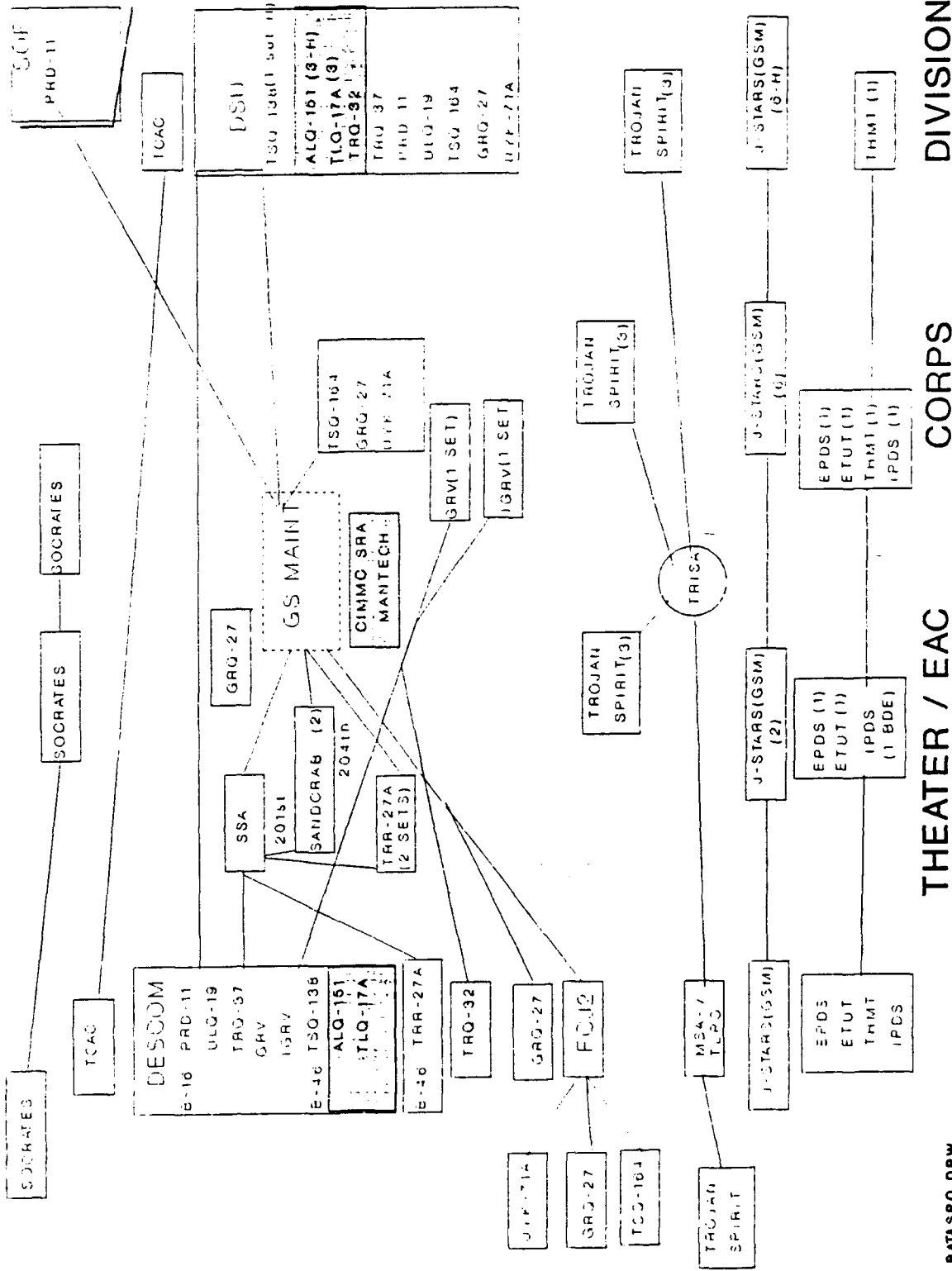
Bottom Level: The chart concludes with several sub-units and their associated equipment:

- EPDS (1), ETUT (1), THMT (1), IPDS (1):** These sub-units are connected to "J-STARS(GSM) (6-H)".
- EPDS (1), ETUT (1), IPDS (1 BDE):** These sub-units are connected to "J-STARS(GSM) (2)".
- EPDS (1), ETUT (1), THMT (1), IPDS (1):** These sub-units are connected to "J-STARS(GSM) (6-H)".

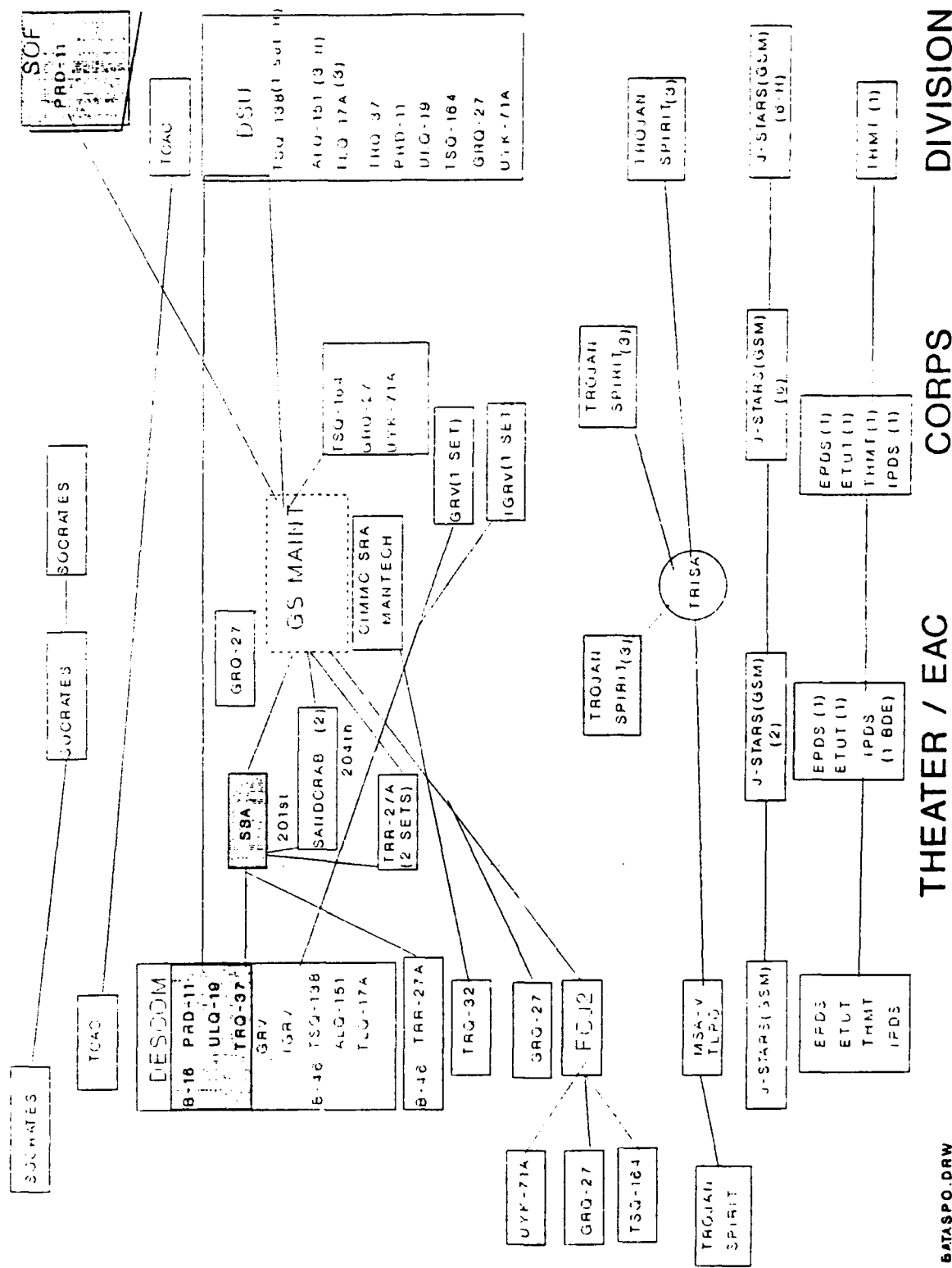
The chart is a detailed representation of a planned supply line, showing the flow of information and resources from the top level down to the operational units and their equipment.

BATA SPJ.DRW

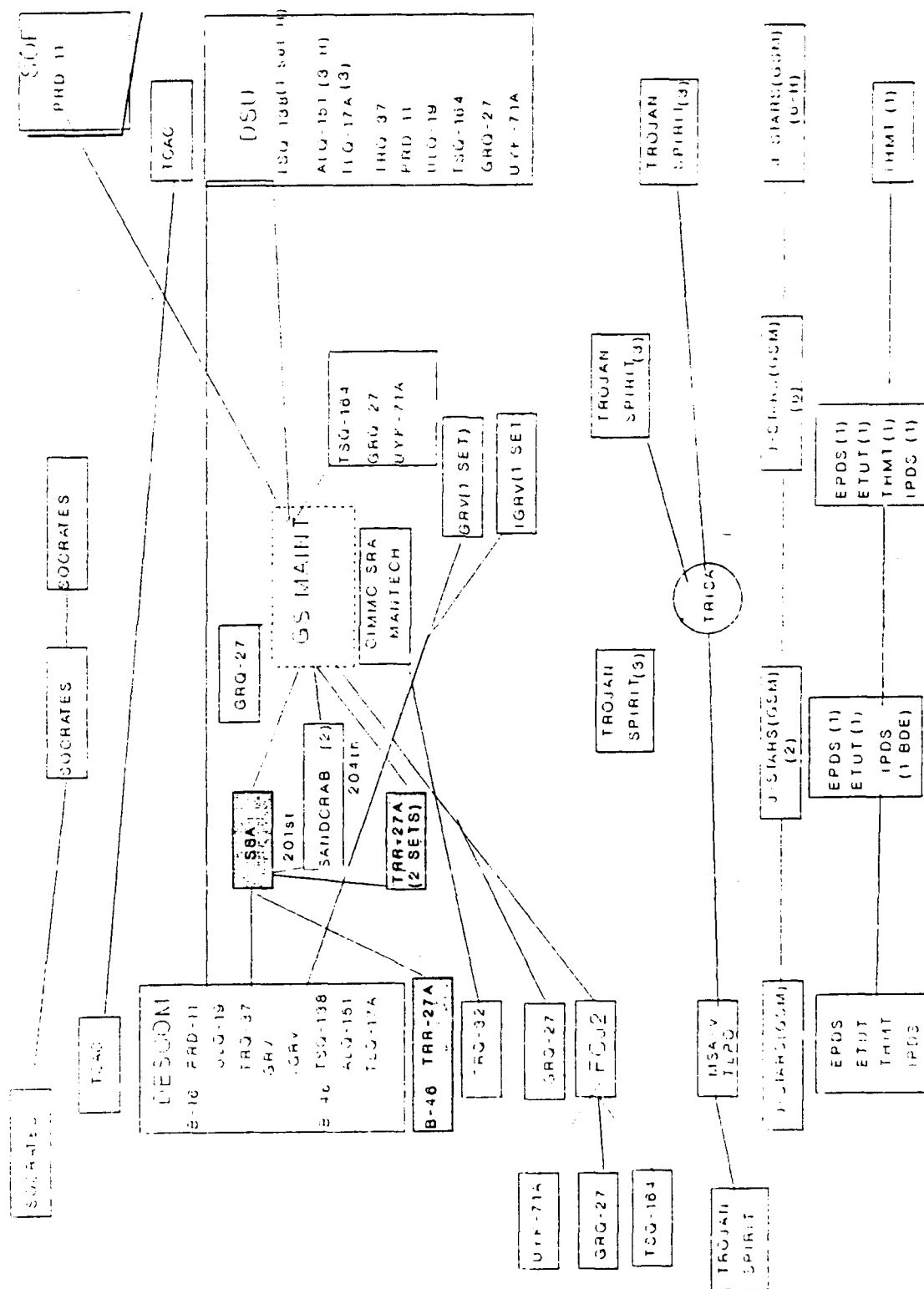
ALQ-151/TLQ-17A/TRQ-32 SUPPORT



PRD-11/ULQ-19/TRQ-37 SUPPORT



TRR-27A SUPPORT

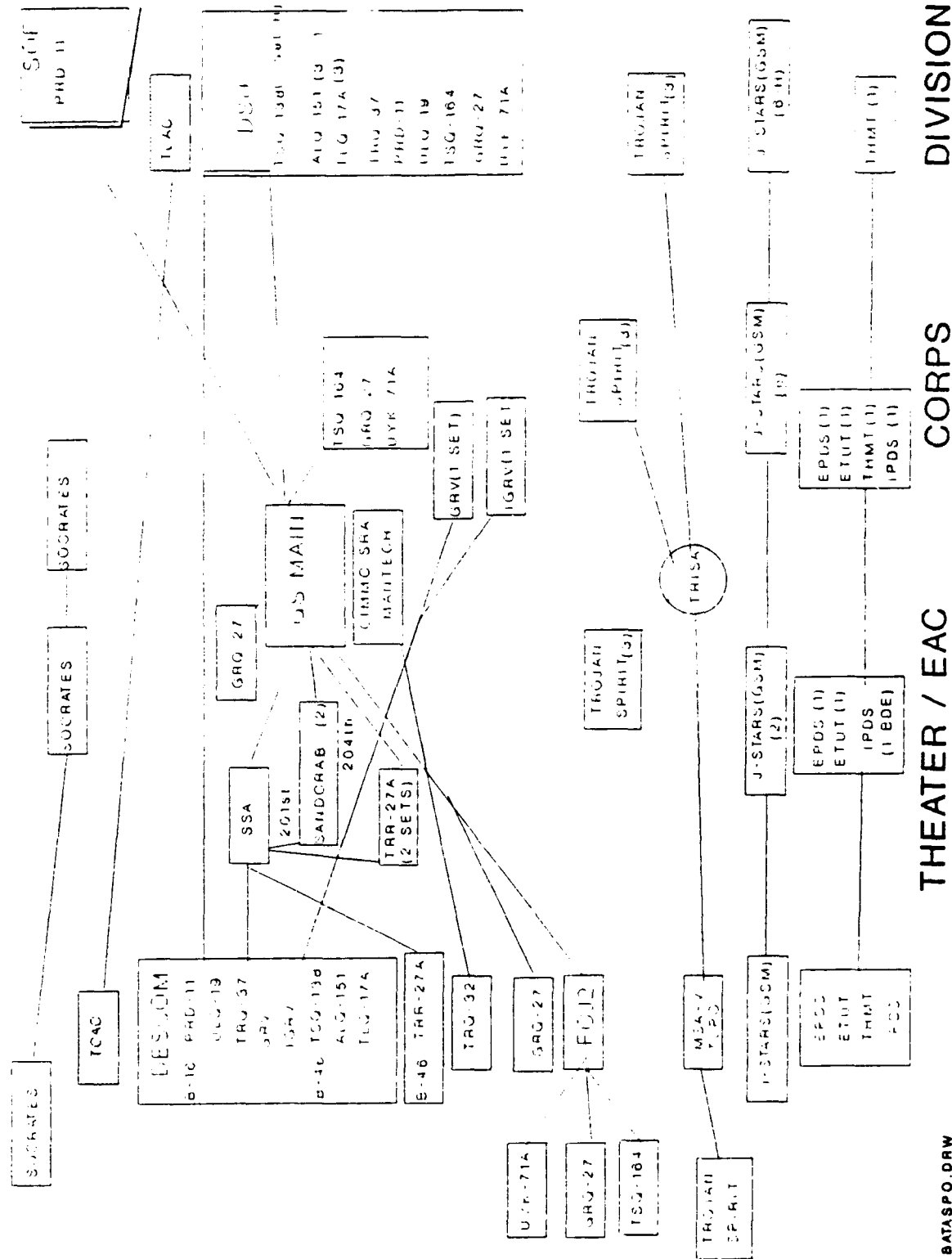


DIVISION

CORPS

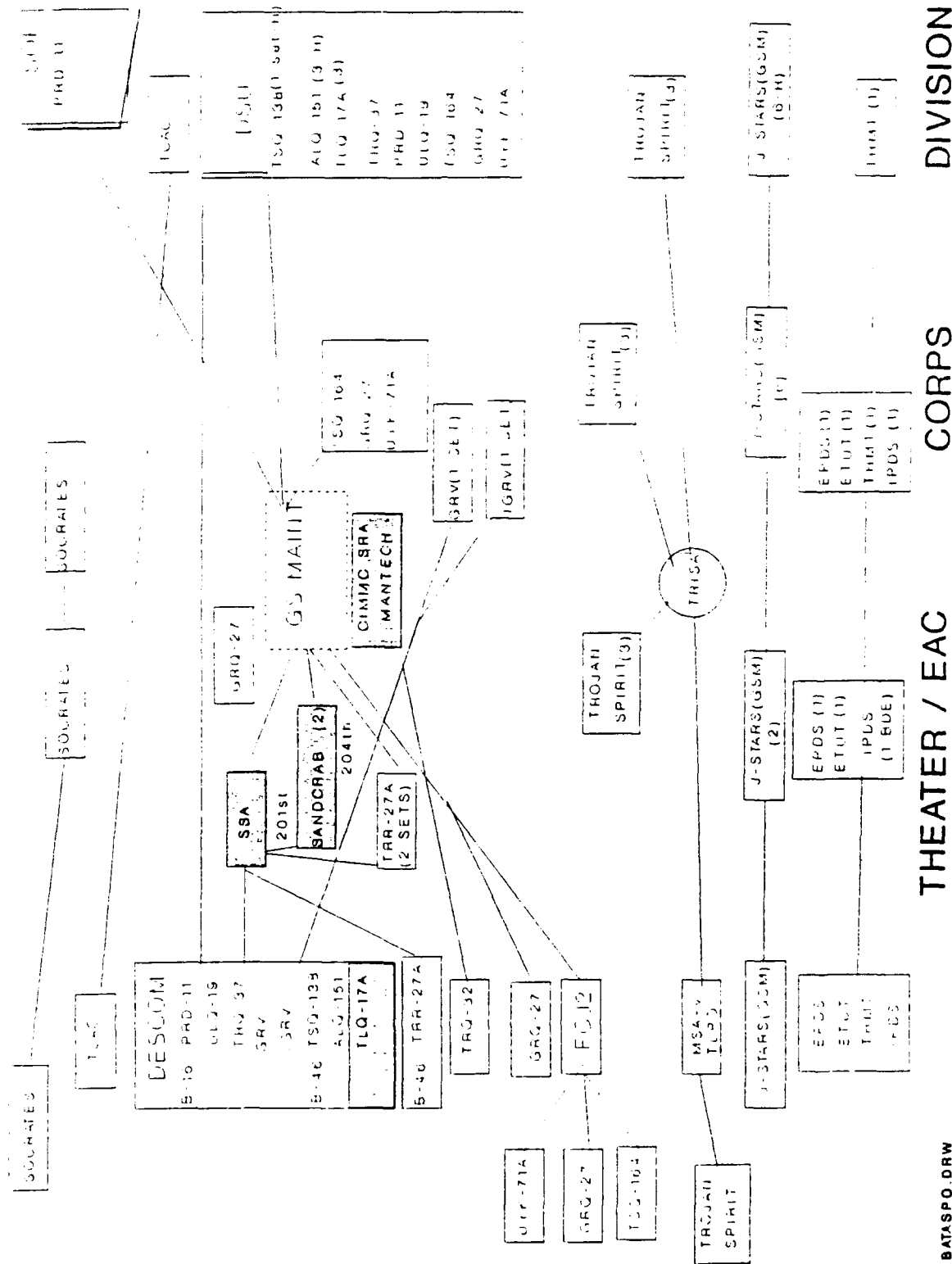
THEATER / EAC

TCAC SUPPORT

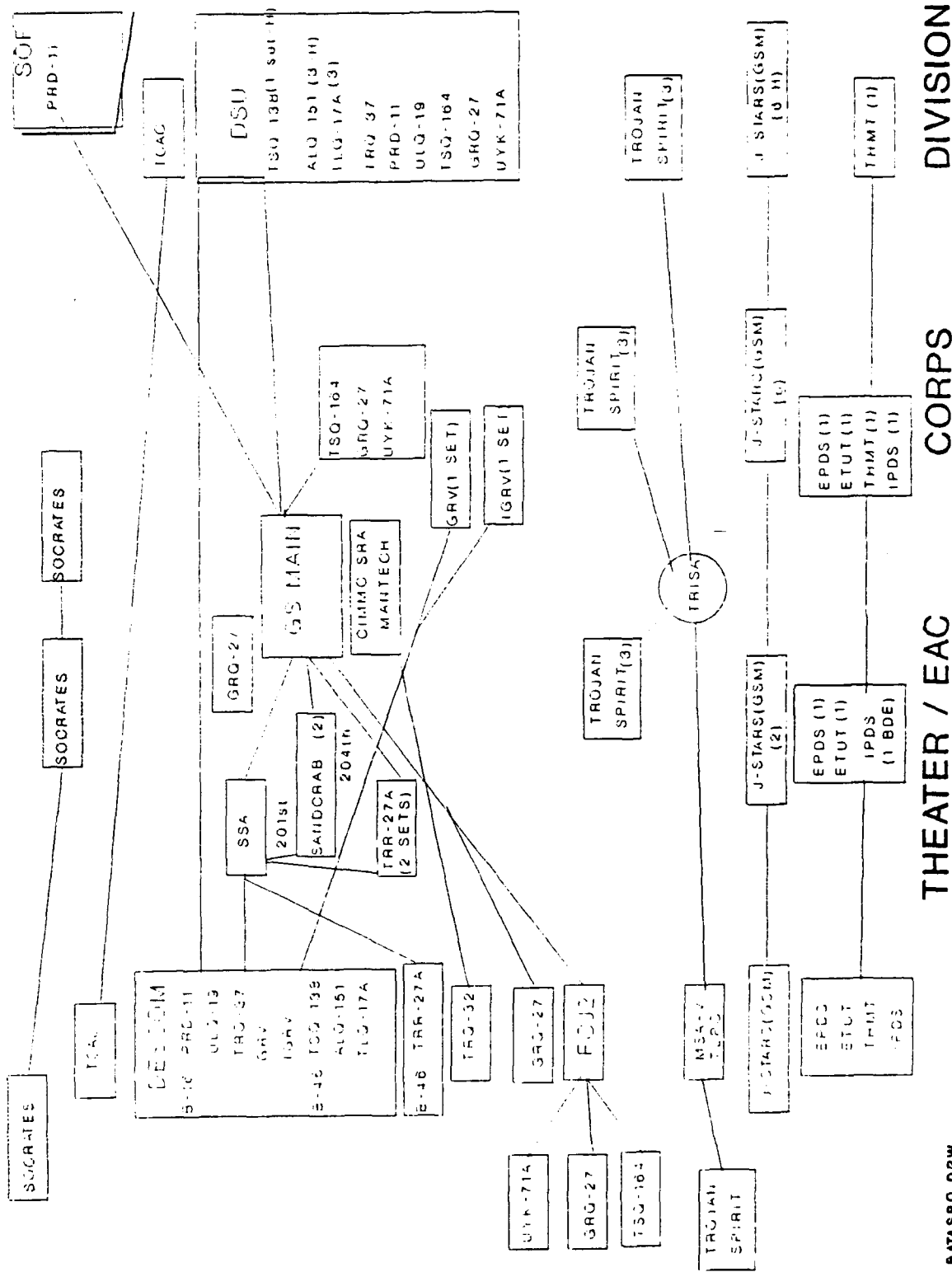


BATA S P O . D R W

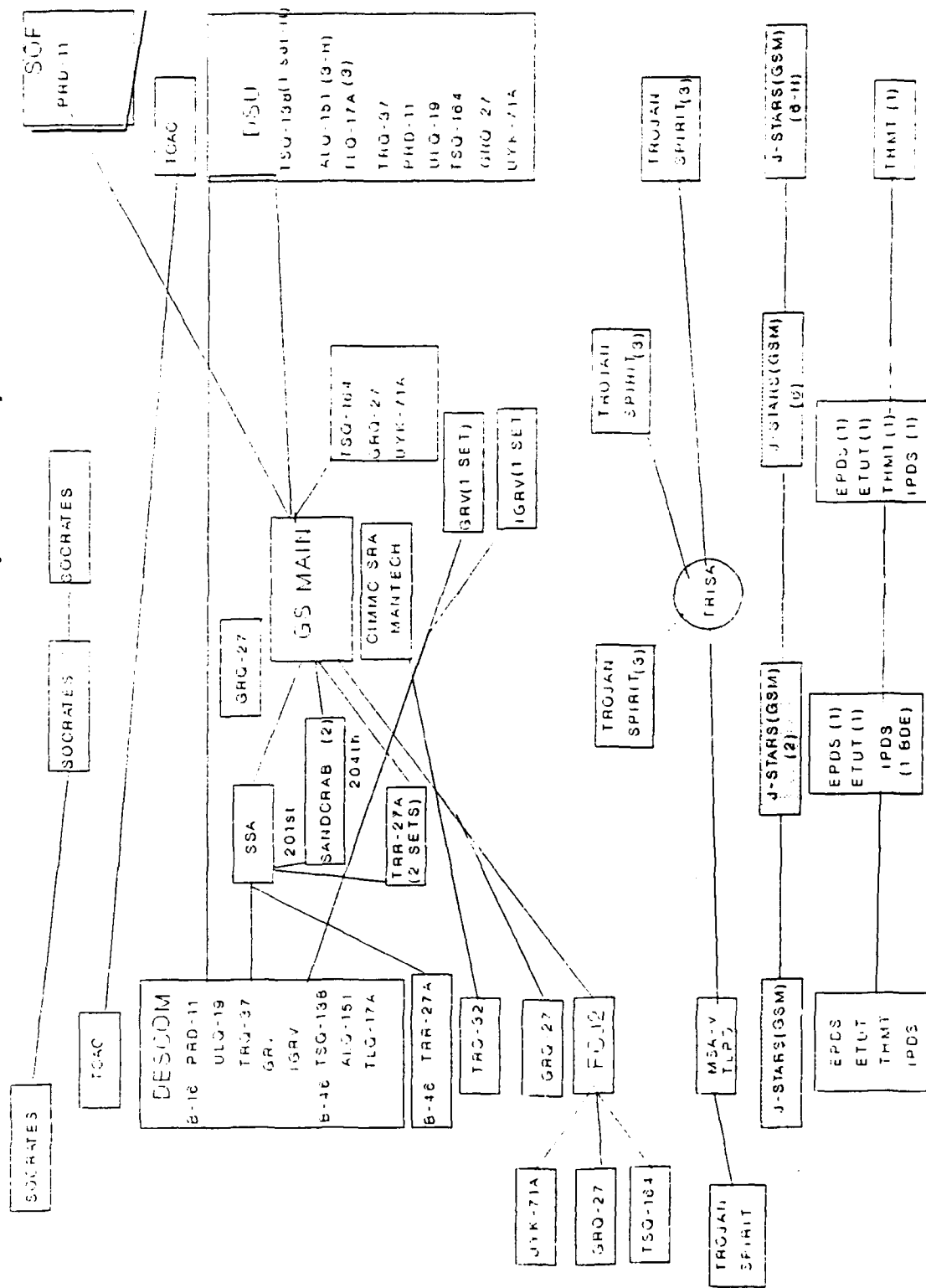
SANDCRAB SUPPORT



SOCRATES SUPPORT

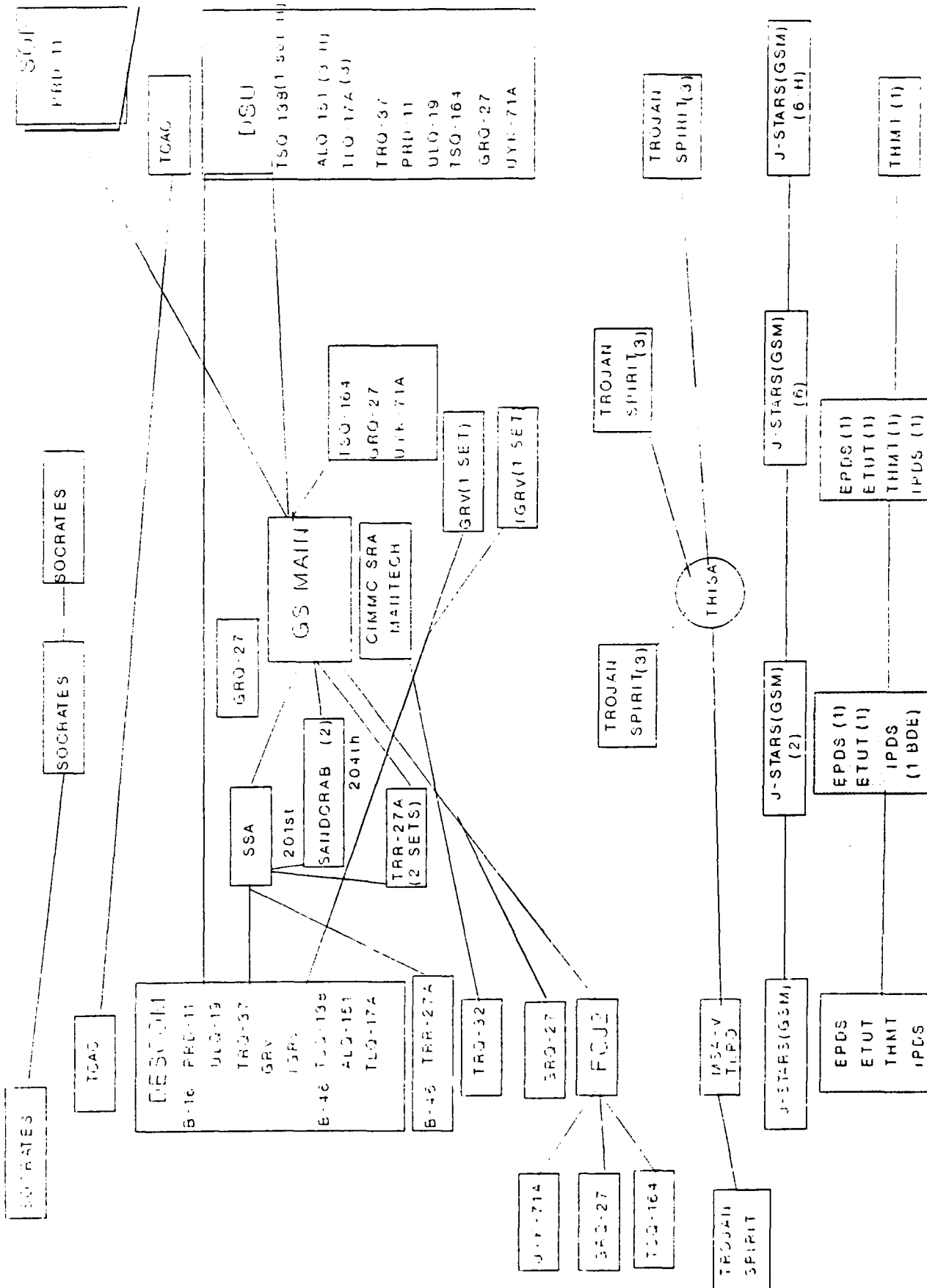


J-STARS (GSM)



BATA SPO.DRW

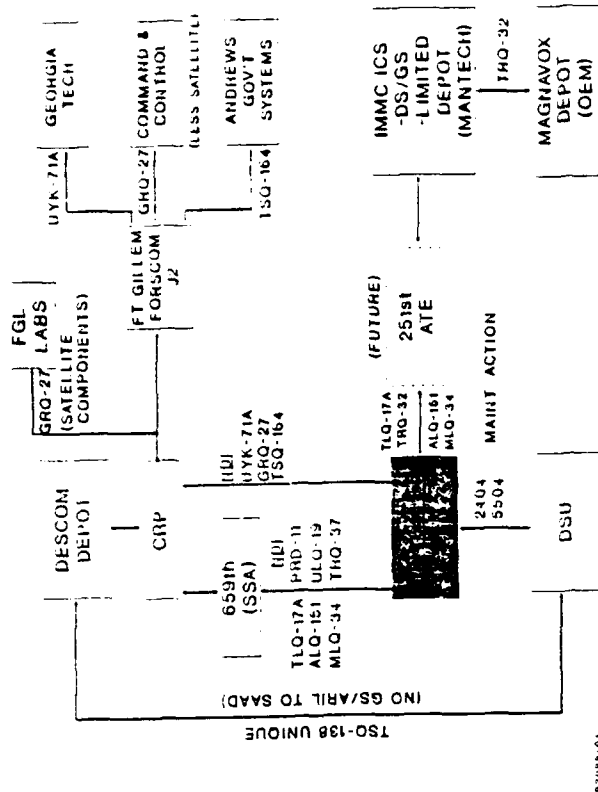
ASPO SUPPORT



THEATER / EAC

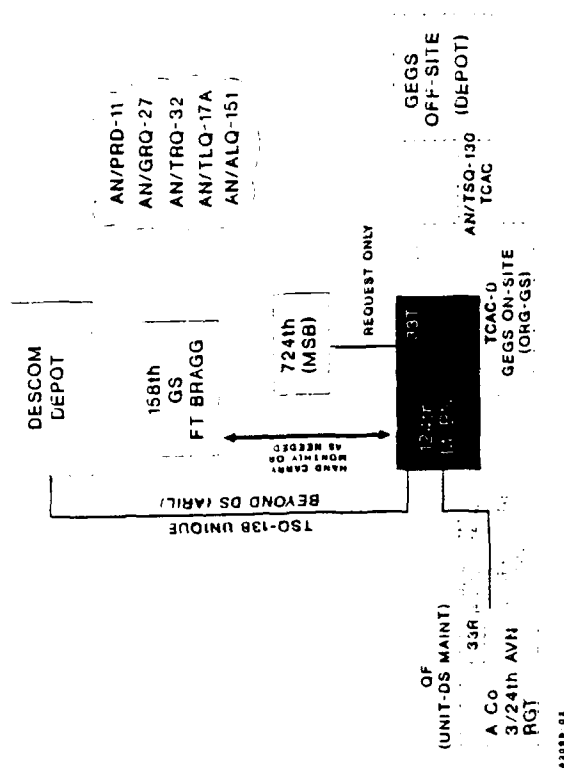
CORPS

DIVISION



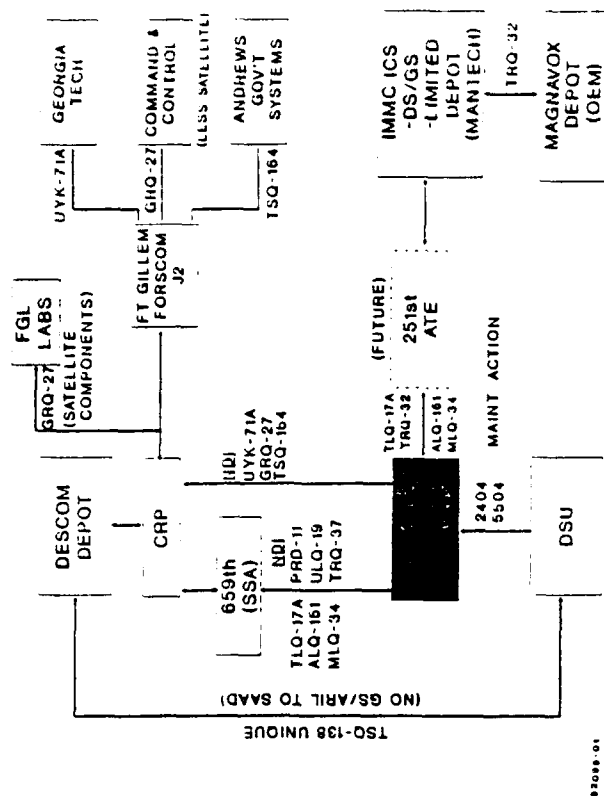
INTERVIEW/SURVEY

INDIVIDUAL		
CW3 STEWART	513th MI BDE (DS/S)	18 MAR 92
CW3 SUMMERS	533rd MI BN (DS/S)	18 MAR 92
CW2 LEHTIMAKI	201st MI BN (DS/S & CURRENT)	18 MAR 92
MR BILL FAUX	IEW LAR, EURO MASTER TECH	18&25 MAR 92
SFC WHEELER	IEW LAR, EURO, MOS 33T	18&25 MAR 92
MR DAE RHIM	IEW LAR, KOREA	24 MAR 92
MR BRUCE STEES	IEW LAR, VHFS	25 MAR 92
MR MARVIN KNIGHT	IEW LAR, FT STEWART	2 APR 92
LTC HAMILTON	AMC LAR, FT STEWART	2 APR 92
SGT COX	124th MI BN, MOS 33T	2 APR 92
MR JOHN LUKE	(MAINT WO 124th DS/S)	6 APR 92
INDIVIDUAL (FUTURE)	IEW LAR, FT HOOD	
CW ROTH	MAINT WO 159th MI DET DS/S	
CW2 McDONALD	MAINT WO 158th MI DET DS/S	
OTHERS AS IDENTIFIED DURING COURSE OF STUDY		



USER FEEDBACK

- DESERT SHIELD/STORM LESSONS LEARNED
- COMBINED ARMS COMMAND
 - PEO-IEW POST-WAR CONFERENCE
 - INSCOM, USASOC AND CIMMC RECORDS
- MI RELOOK
- AMC IG LOW DENSITY
- VARIOUS GROUP/INDIVIDUAL INTERVIEWS



INTERVIEW/SURVEY

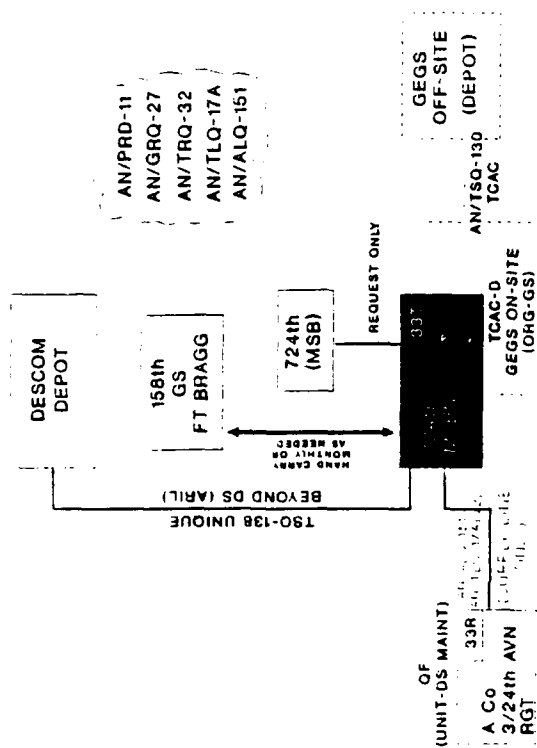
INDIVIDUAL

CW3 STEWART	513th MI BDE (DS/S)	18 MAR 92
CW3 SUMMERS	533rd MI BN (DS/S)	18 MAR 92
CW2 LEHTIMAKI	201st MI BN (DS/S & CURRENT)	18 MAR 92
MR BILL FAUX	IEW LAR, EUROMASTER TECH	18&25 MAR 92
SFC WHEELER	IEW LAR, EURO, MOS 33T	18&25 MAR 92
MR DAE RHIM	IEW LAR, KOREA	24 MAR 92
MR BRUCE STEES	IEW LAR, VHFS	25 MAR 92
MR MARVIN KNIGHT	IEW LAR, FT STEWART	2 APR 92
LTC HAMILTON	AMC LAO, FT STEWART	2 APR 92
SGT COX	124th MI BN, MOS 33T	2 APR 92
MR JOHN LUKE	(MAIN) WO 124th DS/S)	
	IEW 1AII, FT HOOD	6 APR 92

INDIVIDUAL (FUTURE)

	MAINT	WO	159h	MI	DET	DS/S
CW ROTH						
CW2 McDONALD						

OTHERS AS IDENTIFIED DURING COURSE OF STUDY



USER FEEDBACK

DESERT SHIELD/STORM LESSONS LEARNED

- COMBINED ARMS COMMAND
 - PEO-JEW POST-WAR CONFERENCE
 - INSCOM, USASOC AND CIMMC RECORDS
- MI RELOOK

MI RELOOK

AMC IG LOW DENSITY

VARIOUS GROUP/INDIVIDUAL INTERVIEWS

INTERVIEW / SURVEY

UNIT/GROUP (CURRENT)

CECOM IEW LARS	17-25 MAR 92	(19 PEOPLE)
124th MI BN	2 APR 92	(12 PEOPLE)
158th MI DET	2 APR 92	(1 PERSON)
312th MI BN	6 APR 92	(12 PEOPLE)
504th MI BDE	7 APR 92	(10 PEOPLE)
15th MI (AEB)	7 APR 92	(6 PEOPLE)
159th MI DET	7 APR 92	(3 PEOPLE)
263rd LEMCO	7 APR 92	(1 PERSON)

02107-11

COMMAND AND CONTROL "FIELD" PERCEPTIONS

- BREAKDOWN IN CHAIN OF COMMAND/SUPPORT RELATIONSHIP
 - GS MAINT UNIT SPONSORSHIP
 - DSUs ABILITY TO LOCATE AFTER MOVEMENTS
- LACK OF COMMUNICATIONS FOR SUPPORT
 - SRAs HAD LIMITED CAPABILITIES
 - GOLDWINGS HELPED (PROVIDED LATE IN EFFORT)
 - COMMs POOR BETWEEN DSUs AND GSUs
 - UNITS FORCED TO EXTENSIVE TRAVEL IN HOPE OF SUPPORT AVAILABILITY UPON ARRIVAL
- CONSOLIDATED AREA SUPPORT BEST STRUCTURE FOR MI
 - CO-LOCATION OF GS MAINT, ATE DET AND SRA
 - THEATER AREA SUPPORT vs CORPS DEDICATION, ETC
 - APPLIED TO MAINTENANCE AND SUPPLY

02107-11

INTERVIEW / SURVEY

UNIT/GROUP (FUTURE)

FORT BRAGG	RESCHEDULED
82ND ABN DIV (313TH MI BN)	
525TH MI BDE (ALL UNITS)	
1ST COSCOM (158TH IEW GS DET AND MANTECH CONTRACTOR	
FORT CAMPBELL	12 MAY 92
101ST ABN DIV (311TH MI BN)	

02107-11

MAINTENANCE "FIELD" PERCEPTIONS

- IMPROVED SYSTEMS AVAILABILITY
 - INCREASED OPERATION DURING DS/S
 - FAILURE RATE INVERSELY PROPORTIONAL TO LENGTH OF CONTINUOUS OPERATION
- CARRIER AND SUPPORT EQUIPMENT PROBLEM
 - PRIME MOVER, POWER GENERATION AND ENVIRONMENTAL CONTROL UNIT BIGGEST PROBLEM WITH IEW SYSTEMS
 - LACK OF DS MAINTENANCE IN AREA OF OPERATION
- ATE (USM-410/EQUATE) USAGE
 - USM-410 IS CONSIDERED TOO LARGE, UNWIELDY AND UNRESPONSIVE FOR TACTICAL MI MISSION
 - LOW CONFIDENCE LEVEL
- MOVE MAINTENANCE/REPAIR FORWARD
 - PROVIDE AUTHORITY AND RESOURCES (PERSONNEL/ EQUIPMENT/FUNDING/ETC)
 - REVISE MACs/PMCS CHARTS

02107-11

MAINTENANCE "FIELD" PERCEPTIONS (CONTINUED)

- IEW SUPPORT SYSTEM MORE RESPONSIVE THAN ARMY STANDARD SYSTEM
 - LOW DENSITY, CRITICALITY, COST, LONG LEAD TIME
- NECESSITATE BYPASSING STANDARD ARMY SUPPORT SYSTEM
 - IEW SYSTEMS REQUIRE STOVEPIPING
- CONTRACTOR SUPPORT IN THEATER
 - IN-THEATER CONTRACTOR SUPPORT ESSENTIAL
 - CONTRACTOR DISPERSED IN THEATER IMPROVED RESPONSIVENESS (e.g., RAINBOW SRA 1/2/3)
 - CO-LOCATE WITH GS MAINTENANCE AND ATE DET

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SUPPLY/DISTRIBUTION "FIELD" PERCEPTIONS (CONTINUED)

- INSUFFICIENT ORGANIC TRANSPORTATION IN BN TO CARRY REQUIRED IEW SPARES
 - AUTH REPAIR FORWARD/REPLACEMENT OF CCAs - LESS SPACE REQD FOR SPARES
 - EXTENDED DISTANCE, LACK OF COMMUNICATIONS AND TRANSPORTATION MAJOR PROBLEM
- IEW SUPPORT SYSTEM MORE RESPONSIVE THAN ARMY STANDARD SYSTEM
 - LOW-DENSITY, CRITICALITY, COST, LONG LEAD TIME NECESSITATE BYPASSING STANDARD ARMY SUPPORT SYSTEM
 - IEW SYSTEMS REQUIRE STOVEPIPING
 - LACK OF NSNs INHIBIT THE USE OF STANDARD SUPPLY SYSTEM

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SUPPLY/DISTRIBUTION "FIELD" PERCEPTIONS

- CLASS IX SUPPLY SYSTEM SINGLE BIGGEST PROBLEM WITH IEW EQUIPMENT
 - CLASS IX DISTRO SYSTEM DID NOT WORK IN SWA
 - 'COME AS YOU ARE WAR' --BATTLEFIELD BARTER SUPPLEMENT
 - RESERVE COMPONENT SSA NOT GEARED TO SUPPORT LOW-DENSITY EQUIPMENT
 - EVACUATION TIME BIG PROBLEM (DSS AND NOW)
- SPARES/REPAIRABLES AND SPARE PARTS AVAILABILITY
 - GS MAINT DET AND RAINBOW SRA ONLY DEPENDABLE SOURCE OF PARTS/MAINT SUPPORT FOR IEW SYSTEMS
 - LOW-DENSITY OF IEW SYSTEMS PRECLUDE STOCKAGE OF PLL BACK-UP STOCKS IN DS ASL
 - NO CONTROL OVER DISTRIBUTION OF PARTS TO PROPER UNITS
 - MANY CONTAINERS FILLED WITH PARTS BUT SYSTEM UNABLE TO LOCATE STOCK FOR SPECIFIC ITEMS
 - LACK OF VISIBILITY OF REPAIR PARTS IN AO (MIX OF AUTOMATED AND MANUAL SUPPORT UNITS)

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SUPPLY/DISTRIBUTION "FIELD" PERCEPTIONS (CONTINUED)

- IEW LARs VERY USEFUL/ESSENTIAL
 - RESEARCH PARTS/SPARES INFO
 - TRACKING PARTS/SPARES STATUS
 - TRACKING ACTUAL PARTS/SPARES
- PRIME MOVER, POWER GENERATION AND ENVIRONMENTAL CONTROL UNIT BIGGEST PROBLEM WITH IEW SYSTEMS

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TRAINING

"FIELD" PERCEPTIONS

- SYSTEM TRAINING FOR IEW SYSTEM MAINTAINERS
 - TRAINING TOO GENERAL
 - NEED MORE TRAINING ON SYSTEM OPS AND MAINTENANCE
 - TRAINING SHOULD BE SYSTEM-SPECIFIC (UTILIZE ACTUAL SYSTEMS vs IRRELEVANT EQUIPMENT)
 - UTILIZE ASI FOR ASSIGNMENT OF IEW SYSTEM-SPECIFIC MAINTAINERS
- TRAINING SHOULD INCLUDE TROUBLESHOOTING TO THE CARD/SRU LEVEL FOR DS MAINTENANCE
- GS-LEVEL MAINTENANCE TRAINING REQUIRED
 - TRANSITION FROM ICS TO ORGANIC MAINTENANCE
 - NEED MORE TRAINING IN TMDE, ANTENNA THEORY, WAVE PROPAGATION, SOLDERING, ETC

82111-08

TRAINING

"FIELD" PERCEPTIONS (CONTINUED)

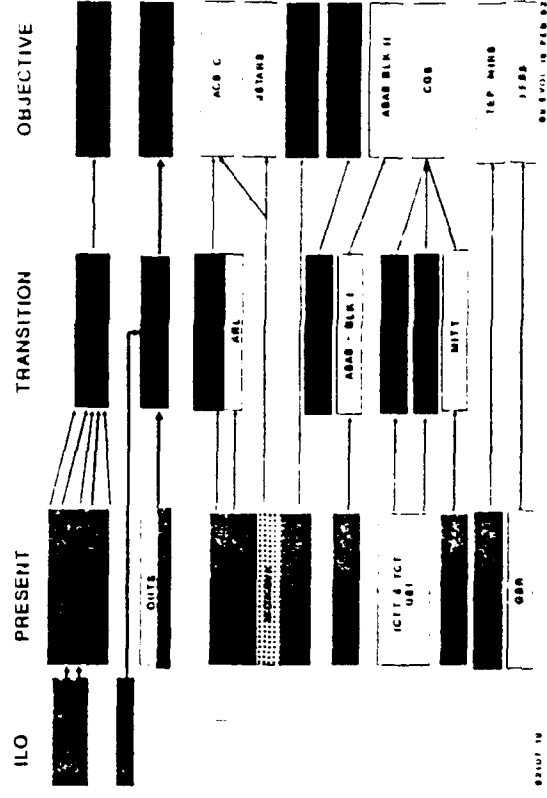
- CONTRACTOR AND MILITARY INTERFACE
 - SINGLE SHOP (GS) INTEGRATED MAINTENANCE SUPPORT FOR IEW SYSTEMS
 - MORE GREEN SUIT vs ICS (CONTRACTOR) IS NEEDED
 - MIXED POSITIONS (TCAC, ASPO vs STANDARD SYSTEMS)
- IEW LARs
 - KNOWLEDGEABLE LARs VALUABLE IN OVERCOMING TRAINING DEFICIENCIES
- IEW SYSTEMS SUPPORT EQUIPMENT TRAINING
 - FORMAL TRAINING REQUIRED FOR 60KW POWER GENERATOR ON THE M1015 CARRIER
 - TRAINING NON-EXISTENT NOW

FUTURE

SUPPORT

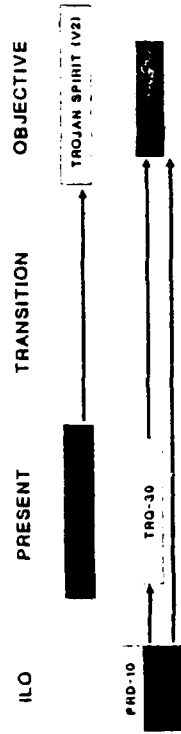
CONSIDERATIONS

IEW SYSTEMS EVOLUTION



82107-19

IEW SYSTEMS EVOLUTION (CONTINUED)



■ RETIREMENT DESIGNATED
■ P/O STUDY

03107-10

RELATED STUDIES

BATTLEFIELD PERFORMANCE ASSESSMENT - DEC 91 - CIMMC
 LOGISTIC SUPPORT FOR LOW DENSITY SYSTEMS - JUN 88 - CECOM
 NSIA COTS/NDI STUDY - JUL 91 - CECOM
 INTEGRATED SUSTAINMENT MAINTENANCE - ON-GOING - SLA
 FORWARD REPAIR ACTIVITY - ON-GOING - SLA
 SINGLE STOCK FUND - ON-GOING - SLA
 AREA SUPPORT GROUP - ON-GOING - AMC
 CONCEPT OF MAINTENANCE FOR SUPPORT OF
 TACTICAL SIGINT/IEW (POST 1980) - JAN 78 - TRADOC
 ARMY STOCK FUNDING/DEPOT-LEVEL REPAIRABLES
 (IMPLEMENTED 1 APRIL 1992) - SLA

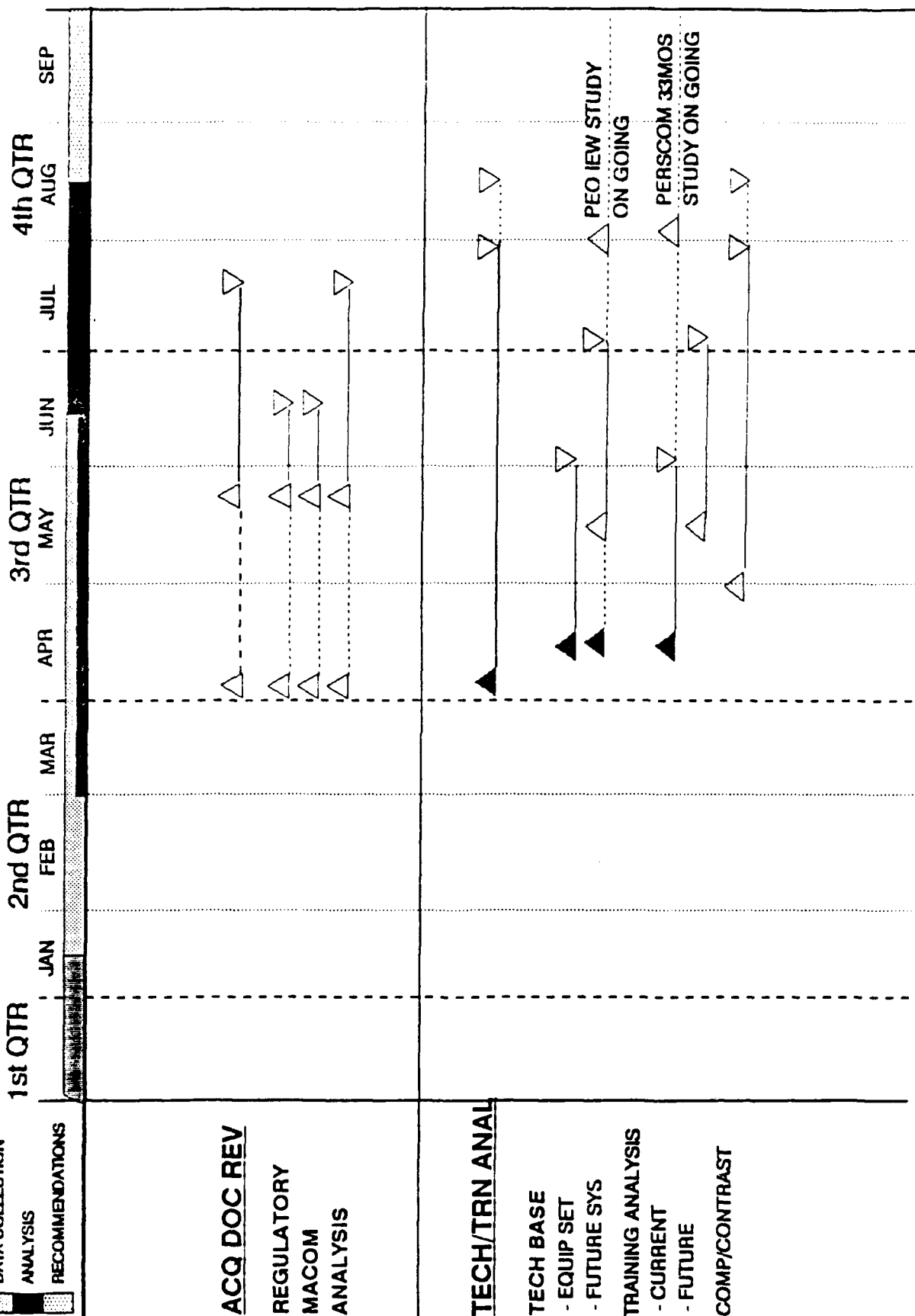
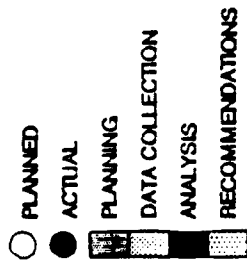
03107-10

SYSTEM LEVEL ANALYSIS SUMMARY

- SYSTEM ANALYSIS CRITICAL TO STUDY RESULTS
- NO PROGRAM SLIPPAGES FORECASTED
- DATA COLLECTION ARRAY PHASE
- SYSTEM FLOWS ABOUT 85% COMPLETE
- FUTURE ACTIONS:
 - VALIDATE REMAINING FLOWS - EXPAND TO TOTAL WEAPON SYS.
 - DEVELOP ADDITIONAL DATA (SPT CONTRACTOR'S, COSTS, ETC)
 - ASK "WHY QUESTIONS" CONCERNING UNIQUE STRUCTURES
 - COMPLETE BATTLEFIELD SUPPORT MAPPING
- OUTPUT PRODUCT:
 - REALIGNMENT OF SUPPORT ORGANIZATIONS
COUPLED WITH PROGRAMED RESOURCES

FY 92 BATTLEFIELD SUSTAINMENT MILESTONES

TASK DETAIL



ACQUISITION DOCUMENTATION REVIEW

COMPLETED ACTIONS: NONE-

- ✓ COMPLEMENTARY ANALYSIS TASK NOT CRITICAL TO STUDY OBJECTIVES
- ✓ TASK SLIPPAGE INCURRED...NO IMPACT TO OVERALL PROGRAM

FUTURE ACTIONS:

- ESTABLISH DoD 5000.1 AND 5000.2 BASELINE
 - .. KEY LOGISTICS OUTPUT PRODUCTS
 - .. PROGRAM MILESTONES AND DECISION POINTS
 - .. MATERIEL FIELDING REQUIREMENTS
- REVIEW PRACTICE WITHIN BUYING MACOMs/PEO
- DETERMINE MINIMUM LOGISTICS PLANNING/EXECUTION TOOLS AVAILABLE TO SUSTAIN NDI ACQUISITIONS
- UNDERSTAND SCOPE OF SPECIAL MACOM SUPPORT ORGANIZATIONS
- ASSESS OPPORTUNITIES AND IMPACTS ASSOCIATED WITH EVOLVING ARMY LOGISTICS CONCEPTS

ACQUISITION

TECHNOLOGY/TRAINING ANALYSIS

COMPLETED ACTIONS:

- ✓ OPENED DISCUSSIONS WITH CECOM SWD
 - BASELINE CURRENT DEV. SYS. TECHNOLOGY
 - FORECAST FUTURE DEV. AND NDI TECHNOLOGY
- ✓ CIMMC EVALUATING ALTERNATIVE ATE (VXI TECH)
- ✓ WORKING WITH PEO TO CONDUCT "OPEN ARCHITECTURE" SUSTAINMENT ANALYSIS
- ✓ CONTACTED PERISCOM ON 33CMF DS/S TASK ANALYSIS
- ✓ ADDRESSING TRAINING IN SURVEYS/INTERVIEWS
 - QUALITY OF CURRENT TRAINING TO TASK REQTS
 - FUTURE NEEDS REQUIREMENTS

TECHNOLOGY

TECHNOLOGY/TRAINING ANALYSIS

FUTURE ACTIONS:

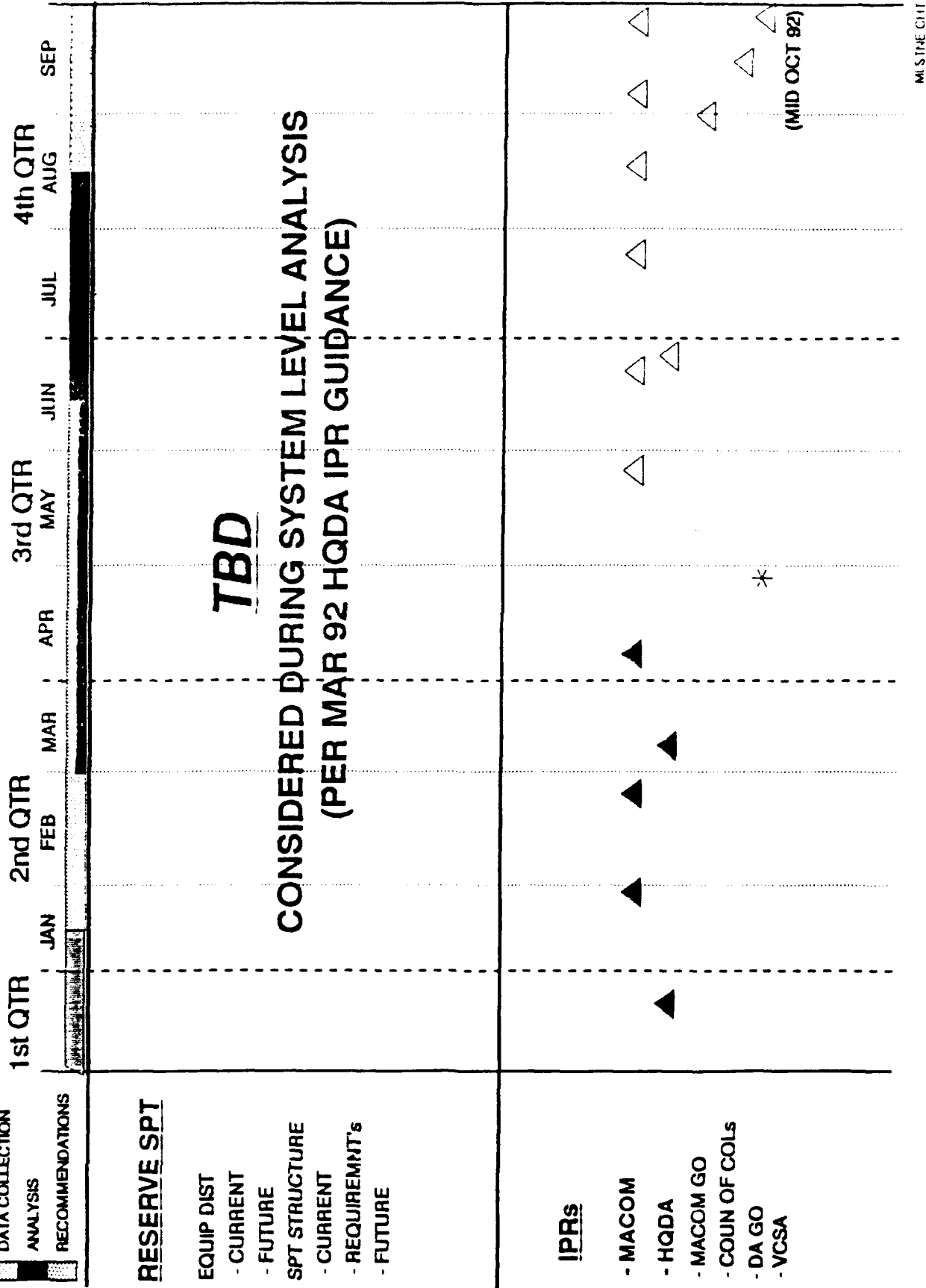
- AWARD CONTRACT D.O. FOR OPEN ARCHITECTURE ANALYSIS
- VISIT FORT DEVENS
 - .. REVIEW CURRENT AND FUTURE POI'S (33CMF)
- COMPLETE INTERVIEWS (INC SRA AND OTHER CONTRACTORS)
- COMPARE TECHNOLOGY FORECASTS WITH DOCTRINE (MAINTENANCE/SUPPLY)
- COMPARE TREND OF TECHNOLOGY WITH TRAINING FORECASTS
- DETERMINE APPLICABILITY OF STATE-OF-ART ATE FOR NEW FAMILY OF IEW SYSTEMS

TECHNOLOGY

FY 92 BATTLEFIELD SUSTAINMENT MILESTONES

TASK DETAIL

- PLANNED
- ACTUAL
- PLANNING
- DATA COLLECTION
- ANALYSIS
- RECOMMENDATIONS



RESERVE COMPONENT SUPPORT

BEING CONSIDERED AT SYSTEM LEVEL VERSUS
ORGANIZATIONAL - PER HQDA GUIDANCE

RESVCOMP

BRIEFING SUMMARY

- STUDY DIRECTION IN LINE WITH TASKING
- NO PROGRAM SLIPPAGES FORECASTED
(RESOURCE DRIVEN)
- CRITICAL TASKS TO STUDY OUTCOME
 - DOCTRINE ANALYSIS
 - SYSTEM LEVEL SUPPORT ANALYSIS
- PLANNED OUTPUT PRODUCTS:
 - DOCTRINE
 - AIMP LOGISTICS ANNEX
 - REVISED SUPPLY/MAINT REGULATIONS (as needed)
 - IEW LOGISTICS INPUT TO FIELD MANUALS
 - SYSTEM LEVEL
 - REALIGNMENT OF SUPPORT ORGANIZATIONS
COUPLED WITH PROGRAMED RESOURCES

Appendix G

***CIMMC MFR, 12 Jun 92, Subj: IEW Streamlining - Minutes of
MACOM IPR, 27-28 May 92***

MEMORANDUM FOR RECORD

SUBJECT: IEW Streamlining - Minutes of MACOM IPR, 27-28 May 92

1. This memorandum furnishes subject minutes for information and documentation.
2. The IPR attendees' list and a copy of the agenda are provided as enclosures 1 and 2, respectively.
3. Minutes herein reflect a) general administrative information, b) detailed discussions, and c) current taskings.

a. General Administrative Information

- 1) The IPR was conducted in the CIMMC Conference Room from 0800, 27 May, to 1700, 28 May 1992.
- 2) The IPR was an informal session to update the Study Group members and/or their representatives on the progress of the study and to provide information on special MACOM support organizations and related studies.
- 3) Representatives to the Study Group were asked to provide comments on previous IPR minutes by 8 June. Mr. Demy of INSCOM stated he was not listed on the attendance list for the DA IPR, although he was in attendance.
- 4) Mr. Demy INSCOM was concerned with the HQDA proponency for IEW Streamlining having moved from DCSOPS to DCSLOG. He stated the change gives an appearance of lessening concern within the DA staff. Mr Dutton reminded the team of several comments made by BG Adam concerned with why DCSOPS was in the lead of a logistics issue.
- 5) Mr. Dutton requested the study group members re-examine the support flow charts prepared for the HQDA IPR for potential revisions to make this data as accurate as possible.
- 6) Mr. Serrentino recommended that the next IPR be held in Atlanta and that representation from the Army Reserve be included (USASOC has their own RC command structure). Tentative dates are June 23-25, 1992. CIMMC will invite the National Guard Bureau (NGB) to the next MACOM IPR.
- 7) Mr. Dutton requested MACOM representatives to tell him which MACOM general officers should be briefed to permit proper scheduling of the briefings. ^ TRADOC has responded as of 1 July.

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SUBJECT: IEW Streamlining - Minutes of MACOM IPR, 27-28 May 92

b. Detailed Discussion

1) WELCOME/INTRODUCTIONS.

a) Mr. Dutton of CIMMC stated that, due to cancellations, IPR agenda had changed from advance copy.

b) SFC Lonnie Forbes was identified as replacing CPT Grossi for USAIC (TRADOC). USASOC has transferred lead responsibility from J2 to J4 whom was represented by Mr Elmer Smith and Mr Bill Richardson.

c) Mr Dutton stated he will provide trip reports from recent travel to units to the members of the Study Group by 5 June, 1992. Further, he stated intention to resolve all outstanding Action Items at the close of this IPR.

2) STATUS ON TRADOC INVOLVEMENT.

a) Mr. Dutton stated he had visited HQ TRADOC since the HQDA IPR and briefed the staff. In addition a message request for identification of a CASCOM representative had been released from CIMMC as well as citing the HQDA GO direction in a message highlighting the DA IPR. Several discussions had been held with members of the TRADOC staff, CASCOM personnel, and Ordnance Center personnel concerning the May IPR. While commitments had been received to participate, neither organization was in attendance (Ordnance Center - Anticipated Concept brief to Dpty Commandant; Cascom representative was denied travel to other mission requirements). ^ Representatives have been designated as Mr. Lovely, TRADOC/USAIC&FH; and MAJ Reith, CASCOM.

b) Mr. Serrentino of FORSCOM stated that he believes TRADOC HQ should be on the team, rather than USAIC. He stated it is essential to the success of the streamlining study for proper TRADOC representation at the IPRs to address the full breadth of issues such as Force Structure (GS Co's and IEW Rpr Plt drawdown), Electronic Maintenance concepts, and other support concepts. Mr. Shelton of HQ AMC, along with group consensus, concurred with Mr. Serrentino in the matter of TRADOC HQ representation. Attendees agreed guidance from the DA IPR was to have as a minimum, the Combined Arms Support Command - CASCOM (which failed to be represented at this IPR per previous agreements) representation at future IPRs.

c) A lengthy discussion took place concerning the Electronic Maintenance Company and consolidation of maintenance MOSSs. Mr. Serrentino believes that we need to review the Electronic Maintenance Company draft TOE as soon as possible. He also needs to know what TRADOC is planning to do in terms of structure regarding the maintenance MOSSs. SFC Forbes discussed a

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SUBJECT IEW Streamlining - Minutes of MACOM IPR, 27-28 May 92

consolidation of maintenance personnel within the 199th Infantry Brigade (FT LEWIS). FORSCOM was unaware of any direction to do so and would look into any structure changes which may have occurred. Mr. Dutton will request TOE for Electronic Maintenance Company from the Ordnance Center for review at the next IPR by June 3.

d) Mr Dutton stated the Study Team concern would be communicated to TRADOC through the means necessary to obtain the proper participation.

3) NDI BOIP/QQPRI PROCESS STATUS.

a) Mr Bill Shelton, AMC, provided the group with the latest status on efforts to complete the approval process for FORSCOM NDI BOIP/QQPRI's. While this effort is not directly linked with the IEW SUSTAINMENT STUDY previous discussions and agreements require AMC to keep the study team up to date on actions being taken.

b) FORSCOM needs to provide requirements documentation on GOLDWING to CECOM. Mr. Serrentino will check with J2.

c) Key to the current status is the completion of an IEW Equipment prioritization process which will aid in the determination of cost effectiveness to fully develop the data and decisions needed to continue with the type classification process. AMC will furnish the current status of the NDI prioritization process at HQDA by 5 June (see enclosure 3).

4) UNIT TRIP VISITS.

a) In briefing the group on the site visit to Ft Campbell, Mr. Nusbaum of BDM stated that the 311th MI Battalion does not support stovepiping of IEW sustainment support. The consensus there is that the supply system does work, if the effort is made to use it. Mr. Bazemore of INSCOM inquired about the number of spares available at Ft. Campbell. He stated the hypothesis that if a large inventory of spares is on hand, the unit will be more inclined to use the standard system. He asserts that all units do not have that luxury. Discussion ensued about carrying LRUs/parts in ASLs at the Supply Support Activity (SSA) and hand-receipting the parts back to the MI Bn (the only user).

b) In discussing the trip to the Intelligence School Devens (ISD), Mr. Dutton expressed concern with the Systems Approach to Training (SAT); he feels it is too tied to developmental cycles and may not work for short NDI-type cycles. ISD is training box-swapping because that is what the maintenance task calls for. Much discussion ensued on Devens' graduate follow-

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up program, how it works and how it can falsely result in deletions of required training tasks (since ICS is currently doing tasks that military repairers should eventually be capable of doing). All the systems had the LSA task inventory list which identified those tasks which needed training. Mr. Monroe of CIMMC recommended to ask ISD which DS/GS tasks originally identified as being required training are no longer being trained at ISD. With respect to technician requirements vs system automated diagnostics, experienced personnel cautioned the study not to lose sight of BIT/BITE failure rates and a need to train a backup system. Examples of around 45% success rates with current systems were discussed. ^ Deleted last sentence.

c) Mr. Riddle of CIMMC reported on his site visit to Korea, Hawaii, and Alaska (see enclosure 4).

d) Fort Bragg Visit. Mr Serrentino, FORSCOM, stated he is still working to get clearance to visit with the Bragg units. He has told Fort Bragg the team needs to visit some time in June (Bragg had said Mar 93 was the earliest possible date).

5) SPECIAL MACOM SUPPORT ORGANIZATIONS BRIEFS.

a) Mr. Dutton reviewed the tasking to the MACOMs to provide feedback on their special support activities.

b) **USACIMMC SPECIAL REPAIR ACTIVITIES.** Mr. Greg Bullock of CIMMC provided a briefing on the CIMMC SRAs (see enclosures 5 and 6).

(1) The group noted the fact that use of the term "special repair activity" for these CIMMC activities can be misleading since they do not meet the definition set forth in paragraph 3-13, AR 750-1, for Specialized Repair Activities; i.e., GS units selected by MACOMs and approved by HQDA (DALO-SMM), which are given the authority to repair selected items identified by maintenance code D or L.

(2) Mr Monroe was asked and agreed to brief CIMMC support planning for the Reserve Component (RC) at the next IPR.

(3) Attendees discussed requirements to build demand base at unit-to-SSA level. Contractors must also provide input resulting from their repair and return programs.

(4) SFC Lawrence discussed methods to improve documentation (i.e., provide a shadow copy of the document to the demand base). A rider or supplemental work order linked to the original work order would be appropriate documentation and would

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provide an adequate audit trail. Mr. Hume of PEO-IEW suggested that there is a need for "experts" to write down the best way to document the turn-in, re-issue, and repair of unserviceable reparable. Mr. Serrentino provided Mr. Bullock a copy of a message outlining FORSCOM's policies and procedures. CIMMC will pull together a strawman by 12 June.

b) INSCOM: MSA-V and TROJAN INTERMEDIATE SUPPORT ACTIVITY (TRISA)

(1) Mr. Demy provided a short briefing on INSCOM's Mission Support Activity - Vint Hill Farms Station (MSA-V) which included handouts showing the activity's identification, mission, organization, and TDA. MSA-V manages the Trouble Shooter contract supporting field stations.

(2) Mr. Demy then briefed on TROJAN SPIRIT and TROJAN, which was developed as a training device resulting in a low readiness objective (see enclosure 7). By previous DA (DCSLOG) decision TROJAN was not postured for support through the wholesale logistics system. INSCOM manages logistics support for TROJAN, and ManTech is the current TRISA (TROJAN Intermediate Support Activity) contractor. TROJAN fieldings during DSS did not provide any additional personnel authorizations to receiving units. INSCOM owns the equipment and currently hand-receipts to users during training exercises. Given plans to build 39 additional systems for Army wide tactical units, Mr Demy was questioned concerning the INSCOM position for future support of the system. He stated the position is for Trojan Spirit to be type-classified LCC-A and transitioned to mainstream support. SFC Forbes indicated that the TRADOC System Manager - Ground (TSM - Ground) is completing required documentation to support the transition of TROJAN SPIRIT to mainstream support. Mr. Demy will revise the INSCOM support flowcharts and determine current budget activity for TROJAN SPIRIT for FY 92-97 by 8 June.

(3) With respect to MSA-V, Mr Demy stated, while they provide some support to CRAZYHORSE, MSA-V does not have a direct support role to tactical units (including the EAC BDEs) and would only become involved in providing "by exception" support for emergency requirements.

c) FORSCOM J2 FT GILLEM NDI SPT.

(1) Mr. Carson provided a briefing on the FORSCOM J2 NDI equipment support operation at Fort Gillem. In addition to the enclosed briefing graphics on the FORSCOM NDI Branch (see enclosure 8), Mr. Carson provided handouts on the current NDI overhaul program and on provisioning data.

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(2) FORSCOM J2 will transfer support of several NDI systems to IMMC on 1 Oct 92. Mr. Serrentino says that the budget data will come from Mr. Chuck France.

(3) In response to questions, Mr Carson stated some of the NDI systems are currently fielded to units OCONUS. The OCONUS units send their NDI system reparables directly to the Ft. Gillem activity and questions remain concerning stock fund reimbursement for repairs after transition. Mr. Serrentino will provide feedback on the locations, quantities, and updated flow diagrams of the various NDI systems; facility data and statements of work for the NDI support contract; and the number of manyears involved in the NDI support effort for government personnel at FORSCOM J2 (S: 19 Jun).

(4) Mr. Serrentino is concerned that the budget for support of non-developmental items (NDI) is inadequate. BOIP/QQPRI for NDI are not funded for FY 93. The existing BOIP/QQPRI have supported standard (developmental) systems. When these systems are eliminated from units, resources (e.g., personnel and equipment in the GS maintenance detachments, etc.) will also disappear. These resources are also required for support of NDI. He further stated that there is insufficient manpower to support NDI. A lengthy discussion ensued concerning NDI and the underfunding of MI battalion operating budgets.

(5) In discussing the sustainment training for NDI systems, the question was raised as to when TRADOC would take over the training. ^ Ref. June IPR, per Mr. St. James, when formal written request for training modification is received at USAISD the requirement will be reviewed for training impact.

d) USASOC and LBAD DEPOT.

(1) Mr. Luke Taylor of the USASOC DCSINT provided an overview of USASOC and the command's future concepts for IEW sustainment (see enclosure 10). He indicated that USASOC would provide the remaining data requirements by the second week in June. There is one IEW repairer (MOS 33T) authorized in each Special Forces (SF) battalion; there are no 33Ts authorized in USASOC's 528th Support Battalion. The GS maint dets provide support above the SF battalion level. Movement is toward a two-tier maintenance system (DS to Special Operations Forces Support Activity or SOFSA) for SOF-peculiar tactical systems. USASOC will brief the Forward Operating Base (FOB) concept at the next MACOM IPR.

(2) He was followed by Mr. William Nunn who provided a detailed briefing on the SOFSA (see enclosure 11). The SOFSA contract is transitioning from CECOM to USSOCOM management.

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5) **AMC LOGISTIC SUPPORT GROUP (LSG) CONCEPT.** Major Grubb of HQ AMC briefed the attendees on the Logistics Support Group (LSG) concept being developed by AMC and CASCOM (see enclosure 9). After providing an overview of the concept as it currently exists, MAJ Grubb indicated the current status of the action to obtain TRADOC Review Board approval. The LSG would be a tailorable organization with state-of-the-art trained personnel and communications links. This effort arose primarily from the difficulties experienced by FORSCOM and AMC in providing combat service support resources in Southwest Asia. DESCOM had the mission of establishing the Army Support Group in SWA.

c. Current taskings

Number	Action Item	POC	Suspense
I2100-001	Approve/release minutes from previous IPRs	CIMMC	^ Complete
I2100-005	Provide IEW Systems by force package list	TRADOC	^ Complete (obe)
I2100-007	Set up visits to USAR units	FORSCOM	^ Complete (obe)
I2100-008	Coordinate interview w/CWO Perez	INSCOM	^ Complete (obe)
I2100-009	Provide Objective Supply Capability flows	FC J4	^ Complete
I2100-010	Provide info on new GS maint companies/dets	TRADOC	^ Complete
I2119-001	Seek CASCOM involvement	TRADOC	^ Complete
I2119-002	Interview OEM contractor(s)	IMMC	^ TBD
I2119-003	Review Objective Supply Capability	IMMC	^ Complete
I2149-001	Furnish trip reports	IMMC	^ Complete
I2149-002	Status of NDI prioritization at HQDA	HQ AMC	^ Complete
I2149-003	Request Elct Maint Co TOE	IMMC	^ Complete
I2149-004	Provide comments on previous minutes	All	^ Complete
I2149-005	Revise flowcharts	MACOMs	ASAP
I2149-006	Provide feedback on NDI systems	FORSCOM	19 Jun 92
I2149-007	Provide additional Devens questions	All	^ Complete
I2149-008	Coordinate Ft. Bragg visit	FORSCOM	^ Complete
I2149-009	Provide USAR support info to FORSCOM	IMMC	^ Complete

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I2149-010	^ Develop audit trail procedures for unserviceable/reparable documentation	IMMC	12 June
I2149-011	Provide TROJAN SPIRIT info and revise flowcharts	INSCOM	8 Jun 92
I2149-012	Provide remaining data requirements	USASOC	12 Jun 92
I2149-013	Brief Fwd Oper Base concept at Jun IPR	USASOC	^ Complete
I2149-014	Invite NGB to next IPR	IMMC	^ Complete (obe)
I2149-015	Provide questions for Europe trip	All	^ Complete
I2149-016	Identify general officers to be briefed	MACOMs	25 Jun 92
I2149-017	Follow-up on SFDLR video	IMMC	^ Complete (obe)
I2149-018	Report SOFSA's MCA	USASOC	^ Complete
I2149-019	Develop strawman recommendations	IMMC	12 Jun 92

Dennis F. Dutton

DENNIS F. DUTTON
Secretariat, IEW Study Team

11 Enclosures

IEW Streamlining Study
MACOM IPR, 28-29 May 92
CIMMC Conference Room
Vint Hill Farms Station, VA

ATTENDEES:

Name, Organization	Telephone (DSN/Commercial)
(P)* Dennis Dutton, USACIMMC (SELIM-IEW)	229-6340/703-349-6340
(P)* Ralph D. Riddle, USACIMMC	229-5047/703-349-5047
*Glenn Taillie, USACIMMC (SELIM-IEW)	229-6122/703-349-6122
*SFC Richard Lawrence, USACIMMC	229-7716/703-349-7716
Rex Monroe, USACIMMC (SELIM-T)	229-5082/703-349-5082
Greg Bullock, USACIMMC (SELIM-TP)	229-6497/703-349-6497
(P) Robert Demy, HQ INSCOM	229-1746/703-706-1746
(Alt P) Roy Bazemore, HQ INSCOM	229-2840/703-706-2840
Jim Whynt, MSA-V (IAMS-V-EAC)	229-5841/703-349-5841
(P) Richard Serrentino, FORSCOM J4	367-7284/404-669-7284
Kit Carson, FORSCOM J2	799-3173/404-362-3173
SFC Lonnie Forbes, TRADOC (USAIC) (ATSI-CDG)	821-1760/602-533-1760
Pete Hume, PEO-IEW	229-5934/703-349-5934
(P) Luke Taylor, USASOC	239-9668/919-432-9668
Elmer Smith, USASOC (AOLO-MA)	239-5981/919-432-5981
Bill Richardson, USASOC (AOLO-P)	239-6442/919-432-6442
(Alt P) MSG John Walensky, USASOC	239-5357/919-432-5357
William Nunn, SOF Spt Act (SOFSA-PM)	745-3728/606-293-3729
MAJ Kirk Deweese, DA DCSINT (DAMI-PII)	223-2037/703-693-2037
William Shelton, HQ AMC (AMCLG-SI)	284-9311/703-274-9311
MAJ Steve Grubb, HQ AMC (AMCLG-SC-M)	284-8406/703-274-8406
*David Nicholas, BDM International	none/804-596-6843
*Robert Klebo, BDM International	none/804-596-6843
*Charles M. Nusbaum, BDM International	none/804-596-6843
Amy Soper, BDM International	none/804-596-6843
*David Condit, JB Mgmt	229-5794/703-349-5794

(P) - Study Team Principal
* - Fulltime Team Member/Support

IEW BATTLEFIELD SUSTAINMENT STUDY
MACOM IPR 27-29 MAY 1992
USACIMMC, VHFS, WARRENTON VA

AGENDA

27 MAY 0800-1600

0800-0815	WELCOME/INTRODUCTIONS	CIMMC
0815-0845	ADMIN REVIEW	CIMMC
	- IPR AGENDA REVIEW	
	- PAST MINUTES	
	- DA IPR DISCUSSIONS	
0845-0900	STATUS ON TRADOC INVOLVEMENT	CIMMC
0900-0930	TRIP VISITS	CIMMC/FORSCOM
	- FT CAMPBELL	
	- FT DEVENS	
	- KOREA	
	- FUTURE TRIPS	
0930-0945	--- BREAK ---	
SPECIAL MACOM SUPPORT ORGANIZATIONS BRIEFS		(MACOM REP'S)
0945-1000	- REVIEW OF TASKING	CIMMC
1000-1130	- CIMMC SRA'S	CIMMC
1130-1300	--- LUNCH ---	
1300-1430	-INSCOM MSA-V	INSCOM
1430-1445	---BREAK---	
1445-1545	OPEN DISCUSSION	GROUP
1545-1600	SUMMARY OF ACTION ITEMS	CIMMC

AGENDA

28 MAY 0800-1600

0830-0900 RECAP DAY 1 CIMMC

FUTURE CONCEPTS

0900-1000 -OBJECTIVE SUPPLY CAPABILITY PM STAMIS

1000-1015 ---BREAK---

1015-1130 -LOGISTICS SUPPORT GROUP HQAMC

1130-1300 ---LUNCH---

1300-1430	-INTEGRATED SUSTAINMENT MAINTENANCE CONCEPT FORWARD REPAIR ACTIVITY SINGLE STOCK FUND	SLA
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1430-1445 ---BREAK---

SPECIAL MACOM SUPPORT ORGANIZATION BRIEF (CONT.)

1445-1600 - FORSCOM J2, FT. GILLEM FORSCOM

1600-1630 SUMMARY OF ACTION ITEMS

29 MAY 0800-1100

0800-0830 RECAP DAY 2 CIMMC

SPECIAL MACOM SUPPORT ORGANIZATION BRIEF (CONT.)

0830-1000 -USASOC LBAD, GYQ USASOC

1000-1030 RECAP IPR ACTION ITEMS CIMMC

1030-1100 JUNE IPR PLANNING CIMMC

29 May 92

STATUS OF DOCUMENTATION FOR SELECTED IEW SYSTEMS

AN/PED-11 MINIFIX - TRADOC (CAC) has action for processing the BOIPFD which was received from CECOM July 91.

AN/TRQ-37 TACFIX - CECOM requested Type Classification change from LCC A to LCC B. Change should be published in the next (Sep 92) update to SB 700-20.

AN/ULQ-19(V)2 RACJAM - Initial BOIP was approved by HQ DA DCSOPS in 1987. Amendment 1 to this BOIP was documented and loaded into the TRADOC data base in 1991. Ms Shirley Clark, CAC, advised on 28 May 92 that the documentation should be sufficient for type classification.

AN/ULQ-19(V) 3 HACJ - CECOM expects to forward BOIPFD to U.S. Army Force Integration Support Agency (USAFISA) by 9 June 92.

AN/TSQ-164 DRAGONFIX - CECOM sent BOIPFD to TRADOC Jan 90. Documentation sent to Intel School for action Feb 91. Action pending approval by TRADOC.

AN/GRO-27(V)1 GOLDWING - FORSCOM has action to provide Requirements Document to CECOM to allow development of BOIPFD. Action first given to FORSCOM (FCJ2-AS) during meeting with HQ AMC (AMCLG-SI), TRADOC (CAC), HQ DA (DALO-SMC), PEO-IEW (SFAE-IEW-SE), AMSSA (AMXSJ-LX), USAFISA (MOFI-TED-T) AND CECOM (AMSEL-LC-SM-52), 5-6 FEB 92. HQ AMC to follow up with message.

AN/UYK-71A FAISSNFI - CECOM sent BOIPFD to USAFISA for action 13 May 92.

TRADOC (CAC and Intel School) reps advised HQ AMC (AMCLG-SI) in meeting at HQ AMC on 19 Mar 92, following their meeting with HQ DA on 18 Mar 92, that DA DCSOPS will prioritize the total IEW list of systems as to the order that they should be documented (BOIP/QQPRI). TRADOC reps agreed to keep working the documentation in the TRADOC priority order, however, they will not process the documents to HQ DA until the DA prioritization effort is complete. Target date for the DA prioritization is mid June 92.

Per FONECON between LTC Thompson, DAMO-FDI, and Mr. William Shelton, HQ AMC on 29 May 92 - LTC Thompson advised that he is working with the DA DCSOPS Organization Integrator to first develop a draft message to TRADOC which prioritizes the IEW systems and establishes taskings, with suspense dates, for completing the documentation. This draft message will be the basis for a Tele conference between TRADOC and DA DCSOPS in early June 92. It is his objective to send out the final message before he leaves for his next assignment at Fort Meade in mid June 92. The fact that TRADOC (CAC) did not provide him their recommended prioritization, as agreed to in the TRADOC/DA DCSOPS meeting on 18 Mar 92, will not delay the DA DCSOPS objective of completing their prioritization effort by mid June 92.


William Shelton

MEMORANDUM FOR RECORD

15 MAY 1992

SUBJECT: Visit to Korea SRA

1. The purpose of this MFR is to document key elements of information obtained from TDY/Visit to the Mantech SRA in Korea, 4 May 92. It should be noted that this MFR is in addition to/separate from the Trip Report jointly prepared by Readiness and Fielding Office and the undersigned.
2. The following information/answers were obtained from the SRA Site Chief, Mr. Kenneth Greenwalt:

- a. How are Class IX Items ordered/flows?

IEW Unique and General.

Class IX Items requisitioned through 61st Maint (SSA) who processes them through 6th Spt Center to the Source of Supply (SOS).

NOTE: Discussed the fact that the SRA's are to submit all requisitions to VHFS (Mr. Jones in M&S Dir) now versus through Theater supply system. Per direction by Mr. Paul Harvey (Mantech Dep PM). Mr. Greenwalt indicated that he didn't believe the Mr. Harvey memo applied to him. I advised him to contact Mr. Harvey.

- b. How does SRA capture demand history - Automated or Manual for repair parts used and repair time by system?

Manual for both - Work Orders are logged in and recorded/tracked on DBase II. Repair parts are tracked manually.

NOTE: This SRA captures/tracks maintenance history different than the SRA at Ft. Hood. All SRAs should capture/track in standard method.

- c. How does Work Orders/Requests flow?

The SRA receives Shoe Tag/2402 from the DS Unit. SRA fills out Work Request (2407) for their records. If TPS/ATE support is required, SRA forwards Hardware and Work Request through 61st Maint (Shop Office) to the ATE Det (MSM-105).

- d. Perceptions of 33Ts ability to repair/maintain USACIMMC Systems? What would be needed (trng, hardware, etc.)?

The SRA Site Chief was very firm in stating that the 33Ts could not repair/maintain the USACIMMC systems based upon lack of adequate training and the fact that a one year assignment in Korea is not adequate time for the soldier to become proficient at maintaining these systems, e.g., by the time the

soldiers are knowledgeable/competent at maintaining the systems, it is time for rotation/reassignment.

e. What do they (SRA) repair, e.g. special boxes made in-house?

The SRA repairs the USACIMMC systems and the test fixtures/sets, break out boxes, etc, fabricated by the SRA. The Site Chief stated that these items are too complex to expect the 33Ts to maintain.

NOTE: This is 180° out of phase with what the SRA Site Chief at Ft. Hood stated. He was confident the 33Ts could maintain the test sets/boxes.

It is also interesting to note that the Korea Site Chief stated that not all SRAs have the same test fixtures/break out boxes as they each develop their own. Action should be taken to ensure SRA support equipment is standard.

f. What is relationship between SRA and GS (Work/Training)?

Based upon comments by SRA Site Chief and GS Maint WO - relationship seems to be strained to non-existent. GS is ignored and treated as incompetent. WO1 Conner is taking action to improve this relationship. Mantech needs to do the same.

g. Units supported? Process for tech assist to units? How often?

Unit supported is the 102nd MI Bn and 2/2 AVN (QUICKFIX).

Previously the B Co, 532nd MI Bn which has been deactivated.

Process for tech assist is calls from the Unit. SRA does not advise GS or ACOR of tech assist visit requests or visits.

Average four times per month, SRA gets call from Unit. Visit Units once per quarter.

h. What % of boxes received from Units that are Good?

Approximately 5%.

i. Work flow (from/to whom) Paper Trail (incl to Magnavox) and repair parts.

Hardware is received from DS Unit. SRA either DX or repair and return to DS Unit. OEM repair (e.g. Magnavox/Grid) are returned through Mantech in Gainesville, VA.

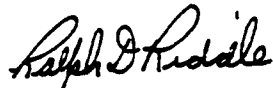
Paper Trail and repair parts process has been addressed previously in this document.

j. Desert Shield/Storm experience?

Site Chief stated - none by him or techs in Korea.

k. In addition to the above, SRA Site Chief stated that ATE Det always ask/need SRA assistance to run TPSSs. ATE Det states do not need SRA assistance. This is another example of poor working relationship between SRA and GS Det. SRA Chief attitude of GS Det totally incompetent.

3. POC for this memorandum is the undersigned.



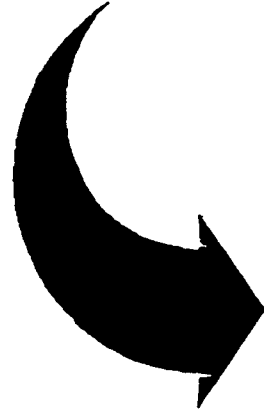
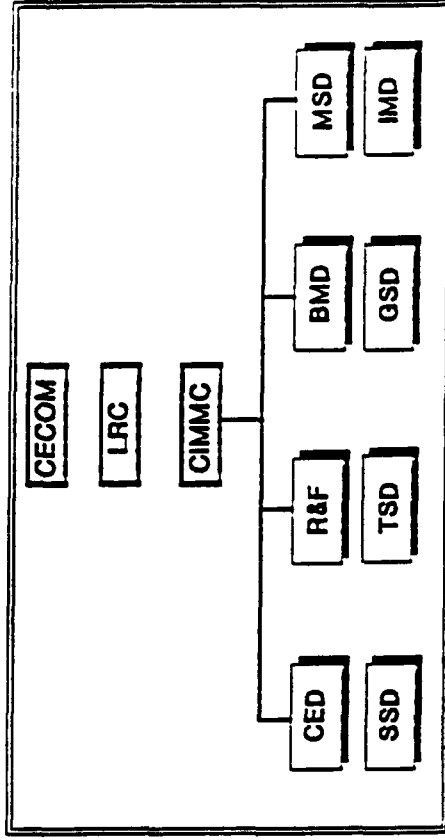
RALPH D. RIDDLE
Chairman, IEW Sustainment
Streamlining Study Group

SPECIAL REPAIR ACTIVITY (SRA) / FORWARD REPAIR ACTIVITY (FRA)

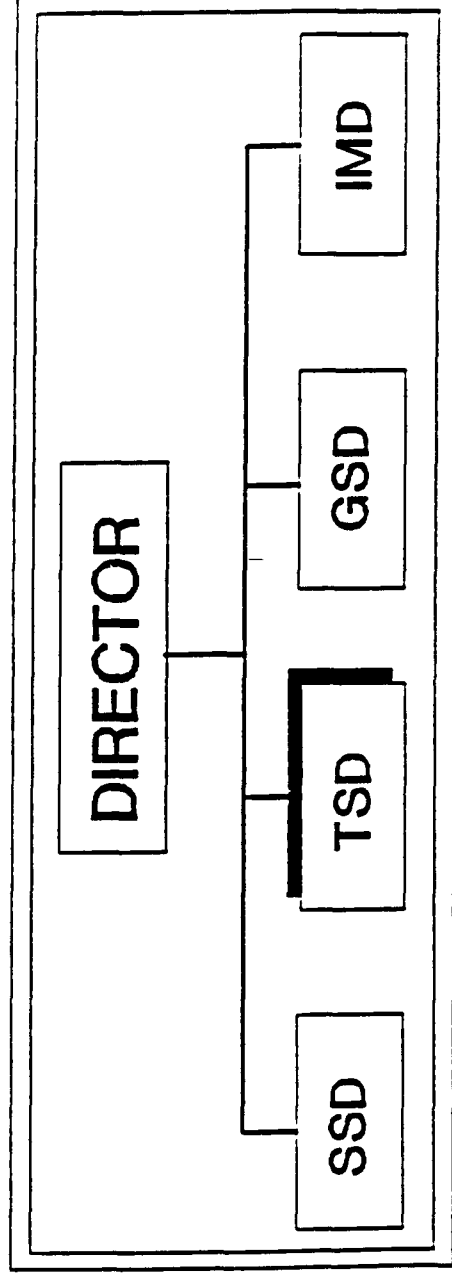
**MR GREG BULLOCK
LOGISTICS MANAGEMENT SPECIALIST
SELIM-TP, (703) 349-6497**



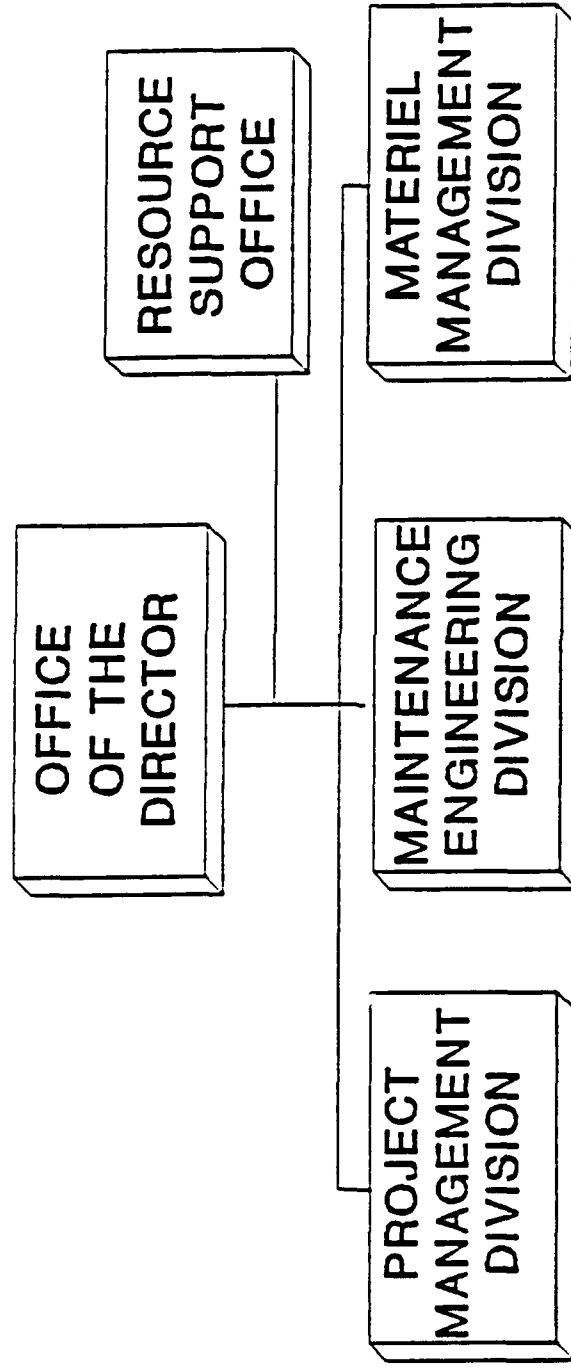
CIMMC DIRECTORATES



WEAPONS SYSTEMS DIRECTORATES



TACTICAL SYSTEMS DIRECTORATE



WHY SRA/FRA

- INTERIM CONTRACT SUPPORT / CONDITIONAL MATERIEL RELEASE
 - INADEQUATE QUANTITIES OF TRAINED MILITARY PERSONNEL
 - PROVISIONING INCOMPLETE
 - DOCUMENTATION INCOMPLETE
 - TEST PROGRAM SET COMPLETION DELAYED
- SEPARATE SYSTEM FIELDINGS / SEPARATE SUPPORT CONTRACTOR
 - TEAMMATE/MAGNAVOX
 - TRAFFICJAM/FAIRCHILD
 - TEAMPACK/EMERSON
- OMNIBUS CONTRACT INITIATED SRA
 - ONE FACILITY
 - ONE CONTRACTOR
 - GEOGRAPHIC/SPECIFIC UNIT SUPPORT

GEOGRAPHIC/SPECIFIC UNIT SUPPORT

CONUS

- FT BRAGG SRA
- FT BRAGG
- FT STEWART
- FT CAMPBELL
- FT DEVENS
- FT DRUM
- PANAMA
- FT HOOD SRA
- FT HOOD
- FT BLISS
- FT POLK
- FT HUACHUCA
- FT RILEY
- FT CARSON
- FT LEWIS SRA
- FT LEWIS
- FT ORD
- WESTCOM

OCONUS

- PIRMASENS, GERMANY SRA - ALL SITES/UNITS IN GERMANY
- UIJONGBU, KOREA SRA - ALL SITES/UNITS IN KOREA

SRA/FRA LOCATIONS

- CURRENT LOCATIONS (FULL SRA)
 - FT BRAGG, NC
 - FT HOOD, TX
 - FT LEWIS, WA
 - UIJONGBU, KOREA
 - PIRMASENS, GERMANY
- OTHER CURRENT SUPPORT LOCATIONS
 - FT DEVENS, MA
 - ORLANDO, FL
 - AUGSBURG, GERMANY
- FUTURE LOCATIONS
 - PANAMA (FULL SRA)
 - AUGSBURG, GERMANY (FULL SRA)
 - FT BELVOIR, VA
 - RESERVE COMPONENT LOCATIONS
 - FT DEVENS TRANSFER TO FT HUACHUCA, AZ

SYSTEMS SUPPORTED

- CURRENT

- AN/TLQ-17A(V) TRAFFICJAM
- AN/TRQ-32(V) TEAMMATE
- AN/ALQ-151(V)2 QUICKFIX
- AN/MLQ-34 TACJAM
- AN/TSQ-138 TRAILBLAZER
- AN/TYQ-37(V) PORTABLE ASAS WORK STATION
COMPUTER
- AN/ULQ-11 CEFIRM LEADER
- AN/TSQ-152 TRACKWOLF

- FUTURE ADDITIONS

- TACTICAL COMMAND AND CONTROL SYSTEM
- SINGLE-SOURCE PROCESSOR-SIGINT
- DIGITAL TOPOGRAPHIC SUPPORT SYSTEM
- TEAMMATE PRODUCT IMPROVEMENT PROGRAMS
- COMMON SENSOR PROGRAMS
- TACJAM-A
- ALL SOURCE ANALYSIS SYSTEM

SUPPORT PROVIDED

- MAINTENANCE SUPPORT
 - ALL LEVELS (UNIT-LIMITED DEPOT)
 - TECHNICAL ASSISTANCE FORWARD
 - ORIGINAL EQUIPMENT MANUFACTURER REPAIR
 - QUALITY CONTROL/ASSURANCE
- SUPPLY SUPPORT
 - LOCAL PURCHASE AUTHORITY
 - STORAGE (SPARES/REPLACEMENT PARTS)
- PACKAGING AND TRANSPORTATION
- MODIFICATION WORK ORDER (MWO) INSTALLATION
- FIELDING AND TRAINING EXERCISE SUPPORT
- SYSTEM CALIBRATION SUPPORT

TRAFFICJAM MAINTENANCE

- IAW MAC; PRIMARILY GS LEVEL
- TECH ASSIST FORWARD
- QUALITY ASSURANCE
- DEPOT LEVEL ORGANIC
- FIELDING SUPPORT
- USAREUR HAS TRANSITIONED

TEAMMATE MAINTENANCE

- IAW MAC; PRIMARILY GS LEVEL
- TECH ASSIST FORWARD
- QUALITY ASSURANCE
- DEPOT LEVEL OEM
- R-2143/2144 RCVRS
- NO MACOM HAS TRANSITIONED

QUICKFIX MAINTENANCE

- IAW MAC; PRIMARILY GS LEVEL
- TECH ASSIST FORWARD
- QUALITY ASSURANCE
- DEPOT LEVEL ORGANIC
- CALIBRATION SUPPORT
- NO MACOM HAS TRANSITIONED

TACJAM MAINTENANCE

- IAW MAC; PRIMARILY GS LEVEL
- TECH ASSIST FORWARD
- QUALITY ASSURANCE
- DEPOT LEVEL ORGANIC
- SYSTEM TO BE DELETED

TRAILBLAZER MAINTENANCE

- IAW MAC; PRIMARILY GS LEVEL
- FIVE LRUs ONLY
- MINIMAL TECH ASSIST FORWARD
- QUALITY ASSURANCE
- DEPOT LEVEL ORGANIC

PAWS MAINTENANCE

- IAW MAC; ALL LEVELS
- INTENSIVE TECH ASSIST/TRAINING EXERCISE SUPPORT
- QUALITY ASSURANCE
- DEPOT LEVEL OEM/PM RESPONSIBILITY

CEFIRM LEADER MAINTENANCE

- "OVER-THE-SHOULDER" ASSISTANCE
- DEPOT LEVEL OEM
- OLD TECHNOLOGY/SUPPLY SUPPORT CRITICAL
- CALIBRATION SUPPORT

TRACKWOLF MAINTENANCE

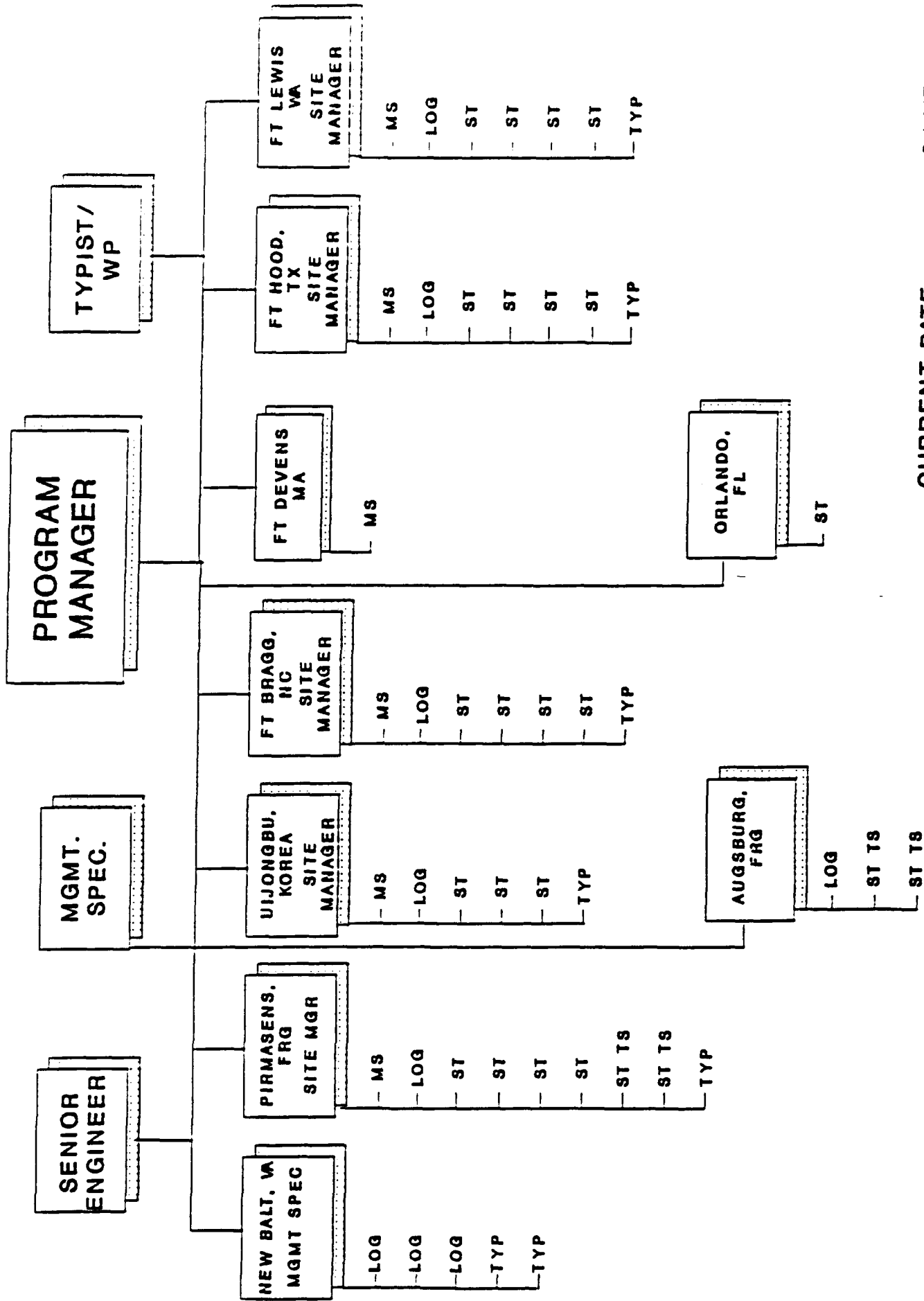
- ELECTRONICS & ECU MAINTENANCE
- QUALITY ASSURANCE OF TCI CONTRACTOR
- TRACKWOLF COMPUTERS DIRECT TO MANTECH
- SPARES STORAGE/EXCHANGE POINT
- DEPOT LEVEL OEM
- FIELDING SUPPORT

BASIC D.O. INFORMATION

- TIME & MATERIALS
- SECRET CLEARANCE MINIMUM
- TS/SCI CLEARANCE (AS REQUIRED)
- NO SCIF RQMTS
- TELECOMMUNICATIONS NETWORK
- ISSAs IN PLACE
- PROPERTY CONTROL/ACCOUNTABILITY
- RECORDS MANAGEMENT/MONTHLY REPORT
- READINESS/AVAILABILITY
 - TECH ASSIST-ON-SITE WITHIN 48 HOURS
 - 90% OF FAILED LRU'S REPAIRED WITHIN 48 HOURS OF RECEIPT
- D.O. MODIFIED AS REQUIRED/RENEWED ANNUALLY

FACILITIES/EQUIPMENT

- BASIC WORK AREAS (ALL)
 - TEAMMATE SMU MAINTENANCE
 - OPERATIONAL SYSTEMS/QA
 - MAINTENANCE BENCH AREAS
 - LOGISTICS AREA (SUPPLY)
 - ADMINISTRATIVE AREA
- MOST CO-LOCATED WITH GS DET
- GFP
 - FURNITURE
 - ADMINISTRATIVE SUPPORT EQUIPMENT
 - TMDE
 - TOOLS
 - VEHICLES
 - OPERATIONAL SYSTEMS
 - CALIBRATION EQUIPMENT (QF)



CURRENT DATE: 04/17/92
 PERSONNEL ASSIGNED: 56
 TOTAL POSITIONS: 56

DELIVERY ORDER FUNDING RQMTS

(MILLIONS \$)

	<u>TOTAL RQMT</u>	<u>PM REIMBURSABLE</u>
FY 92	3.98	0.00
FY 93	4.03	2.61
FY 94	4.26	3.04
FY 95	4.52	3.55
FY 96	4.79	4.04
FY 97	5.08	4.40
FY 98	5.38	4.66

FUNDING RQMTS BY SYSTEM

(THOUSANDS \$)

<u>SYSTEM</u>	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>
TRACKWOLF	\$433	\$449	\$475	\$504	\$440	\$466
TACJAM	\$465	\$299				
TEAMMATE	\$759	\$732	\$536	\$415	\$247	\$262
TRAILBLAZER	\$196	\$162				
TRAFFICJAM	\$465	\$299				
QUICKFIX	\$474	\$503				
CEFIRM LEADER	\$328	\$255	\$270			
SSP-S	\$196	\$221	\$283	\$400	\$247	\$262
TCAC	\$196	\$267	\$293	\$451	\$247	\$262
TACJAM-A			\$293	\$362	\$317	\$336
GBCS-L			\$756	\$934	\$817	\$866

FUNDING RQMTS BY SYSTEM

(THOUSANDS \$)

(CONTINUED)

<u>SYSTEM</u>	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>
GBCS-H					\$655	\$694
ADVQF					\$548	\$581
CMES					\$370	\$392
TIGER					\$317	\$336
TEAMMATE PIPS						
HGAC	\$171	\$208	\$268	\$284	\$247	\$262
DTSR	\$171	\$208	\$283	\$300	\$247	\$262
HIU/IO		\$415	\$680	\$720	\$426	\$451

Statement of Work
Interim Contract Support
IEW Equipment

C.1 General.

C.1.1 Scope of Work. The contractor shall perform Tactical Intelligence and Electronic Warfare equipment (IEW) logistical and maintenance services as outlined herein.

C.1.2 Background Information. The following IEW systems are currently being maintained by Interim Contract Support (ICS), at designated intermediate levels of maintenance, under Contract DAAB10-89-D-0503, Delivery Order Number 0031:

- AN/TLQ-17A(V) - Countermeasures Set
- AN/TRQ-32(V) - Radio Receiving Set with Operator Terminal Update (OTU) Modification Work Order (MWO) applied is a communications intercept and direction finding system.
- AN/ALQ-151(V)3 - A heliborne communications intercept, direction finding and jamming system configured in a Blackhawk helicopter.
- AN/MLQ-34 - A high power VHF Multisignal communications jammer.
- AN/TSQ-138 - Communications intercept and direction finding system.
- AN/TYQ-37(V) - Portable ASAS work station computer.

C.1.3 Personnel. The contractor shall provide a team of qualified technical, logistic and administrative personnel at each Delivery Order 0031 Special Repair Activity (SRA) to provide maintenance support. The contractor shall also continue operations at the staging area in Gainesville, VA, utilizing qualified personnel to receive, inventory, test and/or consolidate and package all equipment and supplies being shipped to or from the SRA's, original Equipment manufacturer's and/or DOD Depots. The staffing requirements and their primary areas of responsibility shall be defined as part of the proposal.

C.1.4 Security Clearance. All contractor representatives shall possess a minimum of a SECRET Security Clearance. Some contractor representatives shall require TS/SCI clearances. The government will advise the contractor which representatives require TS/SCI prior to all requests for proposal. Appropriate documentation of the clearance or any request thereof, shall be forwarded through the Contracting Officers Representative (COR) to the Contracting Officer (KO) for approval.

C.1.5 SRA Locations and Areas of Responsibility.

<u>SRA Location</u>	<u>Area of Responsibility</u>
Ft. Hood, TX	Ft. Hood, TX; Ft. Bliss, TX; Ft. Polk, LA; Ft. Huachuca, AZ; Ft. Riley, KS; Ft. Carson, CO; South West Asia (SWA)
Ft. Bragg, NC	Ft. Bragg, NC; Ft. Stewart, GA; Ft. Campbell, KY; Ft. Devens, MA; Ft. Drum, NY; Panama; SWA
Ft. Lewis, WA	Ft. Lewis, WA; Ft. Ord, CA; WESTCOM (Hawaii and Alaska)
Ft. Devens, MA	Ft. Devens, MA; Ft. Drum, NY
Pirmasens, W. Germany	All sites in Europe; SWA
Uijongbu, Korea	All sites in Korea

The contractor shall be required to send personnel to areas other than listed above if in the best interests of the Government as determined by the KO. In addition, as IEW systems are fielded to other locations, the COR will assign these locations an SRA.

C.1.6 Telecommunications. To minimize system downtime, the contractor shall establish a telecommunications network which will aid in the quick reaction of the CONUS-based logistician in obtaining replacement parts not available from the local government supply system or by local purchase.

C.1.7 Temporary Duty Travel (TDY). Contractor representatives shall be required to travel to designated locations, other than their duty station, at the direction of the COR/ACOR to satisfy mission requirements. Trip reports shall be submitted upon completion of TDY. Technical assistance visits will not require TDY trip reports, but must be covered in the monthly maintenance log.

C.1.8 Warranty Repair. For any supported equipment that is still under warranty, the contractor shall initiate action for return of the equipment to the item manufacturer for repair. Record of shipment shall be incorporated in the Monthly Maintenance Log. All CAP having warranties shall be documented with the USACIMMC ACOR, in writing, and copies of warranty documentation shall be provided to the Contracting Officer.

C.1.9 Quality Control/Assurance. The contractor shall establish and maintain a Quality Inspection System which meets the requirements of MIL-I-45208A. Included shall be a Calibration System as required by MIL-STD-45662. The contractor shall develop and submit for Government approval an Inspection System Program Plan. The contractors designated Quality Control personnel shall witness each final test. Test data shall be reviewed and signed off by the designated contractor quality control personnel.

C.1.9.1. Quality Deficiency Report (QDR). The contractor shall prepare and submit a Quality Deficiency Report (QDR) for each item of equipment (including Government Furnished Property) that contains quality deficiencies. Quality deficiencies are defined as defects or nonconforming conditions which limit or prohibit the item from fulfilling its intended purpose and therefore, makes it unsuitable for use. Included are quality deficiencies in design, specifications, materials, manufacturing and workmanship. Shortages, overages, incorrect items, loss/damage as well as improper handling, preservation, packaging, packing or marking shall be reported on SF 304, Report of Discrepancy (ROD).

C.1.10 Packaging, Packing and Shipping. The contractor shall be responsible for packaging and preserving all stored or transported items not shipped or packed by the Government to the applicable level as specified by MIL-E-17555G(2). In every case, any LRU, SRU and component will be packaged in such a manner as to preclude any damage from occurring during shipping. All markings shall be IAW MIL-STD-129H, Notice 2.

C.2 Government Furnished Property/Services.

C.2.1 Facilities/Services. The contractor shall assume control of the facilities currently being used under Contract DAAB10-89-D-0503, Delivery Order (DO) 0031 at Ft. Hood, TX, Ft. Lewis, WA, Ft. Bragg, NC, Ft. Devens, MA, Pirmasens, FRG, and Uijongbu, Korea. The Installation Materiel Management Center (IMMC) will coordinate an Intraservice Support Agreement (ISA) with each MACOM and/or Intelligence to insure that these facilities are available. The ISA will also insure that required services (custodial, fire protection, police, storage, transportation, utilities, etc.) will be available and provided to each facility.

C.2.2 Government Furnished Property (GFP). All GFP provided under Contract DAAB10-89-D-0503, DO 0031 will be transferred to the contractor. A listing of GFP currently on-hand at each Special Repair Activity (SRA) is provided by Appendix C. Additionally, all contractor acquired property (CAP) purchased with Government funds

under DO 0031 shall be considered GFP and provided to the contractor by the Government. Any equipment procured with Government funds shall be considered CAP and shall be considered GFP upon completion of this delivery order. All GFP shall be maintained under the terms and conditions of Contract DAAB10-89-D-0503. Upon completion of this delivery order, all GFP and CAP shall be returned in "A" code condition in accordance with (IAW) AR 725-50.

C.2.3 Government Furnished Information (GFI). Appendix B provides a listing of technical manuals (TM's) required for maintenance of the systems listed in paragraph C.1.2. All TM's, engineering drawings, specifications, test procedures, etc., currently provided under Contract DAAB10-89-D-0503, DO 0031 shall be transferred as GFI to the contractor. Any required information that is not currently on hand at each SRA will be provided by the Government if it is available. The contractor is authorized to secure the Army Master Data File (AMDF), Master Cross Reference Lists (MCRL-1, -2, -3) and Illustrations Lists (IL) as GFI.

C.2.4 Property Control/Accountability. The contractor shall institute property control/accountability procedures in order to safeguard all government and contractor equipment. The contractor shall maintain a property accountability record of all equipment (GFP and CAP) for the duration of the contract and provide a monthly Status of GFP Report.

C.2.5 Calibration and Repair of Government Furnished Equipment. The contractor shall be responsible for assuring all items of test, measurement, and diagnostic equipment (TMDE) requiring calibration will be calibrated on established intervals as determined by Technical Bulletin 43-180. If exact items are not listed in TB 43-180, intervals will be established against like items. THE Contractor shall utilize the U.S. Army Test, Measurement, and Diagnostic Equipment Support Group (USATSG) element located within the same geographical area as the Service Repair Activity for this contract. If the USATSG support element determines they are unable to provide calibration of any item of TMDE, the contractor shall be responsible for providing commercial calibration for those items. If commercial calibration is required, this will be performed in accordance with Army Regulation 750-43 and MIL-STD-45662A. Under this contract, the contractor shall be responsible for all repair and maintenance required to maintain TMDE in "A" condition code. Contractor or Procuring Activity/Program Management Office shall be responsible for providing a Department of the Army Form 3758, with required maintenance support manuals to the USATSG element on initial calibration service request. A copy of the DA Form 3758 will also be required to be sent to the U.S. Army TMDE Support Group, ATTN: AMXTM-LMM, Redstone Arsenal, AL 35898-5400.

C.3 Contractor Furnished Equipment (CFE). If required, the contractor shall be responsible for providing all items not provided by the Government that are required to meet the requirements of this contract. The contractor shall be responsible for the maintenance, calibration and support of all CFE. The contractor shall be responsible for identifying and notifying the Government within three working days of any additional requirements for equipment. The Government will determine if this equipment is required and whether it (or a substitute item) can be provided as GFP prior to authorizing the contractor to purchase the equipment.

C.4 OCONUS Personnel. The ACOR representing the Intelligence Materiel Management Center (IMMC) at Vint Hill Farms Station will arrange for invitational travel orders, including provisions for logistics support package "A" for all contract personnel assigned OCONUS.

C.5 Tasks. The contractor shall not perform (nor will any of the tasks performed under this delivery order), constitute work of policy, decision making, or of a managerial nature that is the direct responsibility of the Government.

C.5.1 Maintenance Support

C.5.1.1 AN/TLQ-17A(V) Maintenance Support. Transition of the AN/TLQ-17A(V) from contractor to greensuit support is scheduled for the 1st quarter of FY92 for all MACOM's. The contractor shall provide maintenance support IAW the Maintenance Allocation Chart until transition is complete (for each SRA/General Support Maintenance location). Upon completion of the transition to greensuit support, the contractor shall provide over the shoulder technical assistance and supply support to the IGS facility greensuit personnel (and using units as required) for the remainder of FY92. The items to be supported are annotated in Appendix A.

C.5.1.2 AN/TRQ-32(V)1 and (V)2 Maintenance Support. The AN/TRQ-32(V)1 and (V)2, with Operator Terminal Update (OTU) Modification Work Order (MWO), requires limited Intermediate Direct Support (IDS) and Intermediate General Support (IGS) Maintenance Support. Maintenance will be performed IAW the Maintenance Allocation Chart. The items to be supported are annotated in Appendix A. Any item that requires maintenance action that is beyond the capability of the SRA will be sent to the Original Equipment Manufacturer (OEM) for inspection, estimate of repair cost and repair, except for the following items, which will be sent to Vint Hill Farms Station:

Model	Nomenclature	NSN	Part #
R-2143/URR	Receiver, Radio	5865-01-223-3259	706272-802
R-2143/URR	Receiver, Radio	5865-01-140-5013	706272-801
R-2144/URR	Receiver, Radio	5865-01-219-4045	706692-802
R-2144A/URR	Receiver, Radio	5865-01-136-8672	706692-801

If an item sent to the OEM is deemed beyond repair or the repair cost is considered uneconomical by the Government, the item will be returned to the SRA. The SRA will return the item to the supported unit. Disposition of items that cannot be repaired at OEM and subsequently returned through maintenance channels to the using unit, must be returned to the source of supply by the unit in accordance with ARIL procedures. The unit should initiate a MILSTRIP requisition simultaneously with the turn-in for the replacement item. All documentation submitted with turn-in item will indicate "non-reparable" or "non-economically reparable" with the indication that the item has been sent through OEM. The time period for this maintenance support is 01 Oct 91 to 30 Sep 92.

C.5.1.3 AN/ALQ-151(V)2 Maintenance Support. The AN/ALQ-151(V)2 requires Intermediate General Support maintenance support. Maintenance will be performed IAW the Maintenance Allocation Chart. The items to be supported are annotated in Appendix A. Time period for this maintenance support is 01 Oct 91 to 30 Sep 92.

C.5.1.4 AN/MLQ-34 Maintenance Support. The AN/MLQ-34 requires Intermediate General Support maintenance support. Maintenance will be performed IAW the Maintenance Allocation Chart. The items to be supported are annotated in Appendix A. Support should include all items that are repaired below the depot level in accordance with the MAC. The time period for this maintenance support is 01 Oct 91 to 30 Sep 92.

C.5.1.5 AN/TSQ-138 Maintenance Support. The contractor shall be responsible for performing Intermediate General Support (IAW the MAC) for the following items in the AN/TSQ-138 that are common to the AN/MLQ-34 and AN/ALQ-151(V)2:

- MX-10250/USQ RF Processor
- PP-7293A/USQ Power Supply
- C-10935/MLQ-34 Receiver Control Display Unit
- MX-10214/MLQ-34 Receiver Signal Data Processor
- R-2197/MLQ-34 Receiver Set

The time period for this maintenance support is 01 Oct 91 to 30 Sep 92.

C.5.1.6 Test Program Set (TPS) Supported LRU's. All LRU's that are supported/maintained utilizing TPS's are the responsibility of the Government once that site has been fielded the TPS. The contractor shall remain as back up maintenance assistance and supply support for the duration of this Delivery Order.

C.5.1.7 All Source Analysis System (ASAS) Maintenance Support. The contractor shall provide the following specific ASAS equipment support requirements in addition to general support requirements outlined by the remainder of this SOW. The time period for this maintenance support is 01 October 91 to 30 September 92.

C.5.1.7.1. The contractor shall provide two Senior electronic technicians to perform preventive and corrective maintenance on the AN/TYQ-37(V) Workstation, Computer Graphics (PAWS), which is part of the ASAS.

C.5.1.7.2. The contractor personnel shall be stationed at the Theatre Maintenance Facility (TMF), provided by PM ASAS at Pirmasens, Germany. They shall be required to deploy to various locations as approved by the in-country ACOR, to perform on-site maintenance and technical support. The contractor shall also be responsible for shipping, receiving, inventory, testing and packaging of all equipment and supplies shipped to or from the TMF.

C.5.1.7.3. ASAS support contractor personnel shall possess a minimum of a TOP SECRET/Special Compartmented Information (TS/SCI) security clearance.

C.5.1.7.4. The Government Furnished Property (GFP) currently being used by the existing ASAS ICS contractor will be transferred to this Delivery Order.

C.5.1.7.5. All technical manuals, engineering drawings, specifications, test procedures, etc., will be transferred as Government Furnished Information (GFI) to the contractor. Any required information that is not currently on hand at the TMF will be provided by the Government if it is available.

C.5.1.7.6. The Government will provide maintenance training utilizing the existing ICS personnel as instructors. There is no formal course of instruction on the maintenance of ASAS equipment.

C.5.1.7.7. "Failed LRU's shall be turned in from the units to the TMF. The contractor shall repair the LRU's and return the LRU's to the TMF supply stock for re-issue. LRU's/SRU's requiring repairs beyond the capability of the TMF shall be sent to Martin Marietta Corp. (Shipping address shall be provided by the ACOR) for repair.

PM ASAS shall be responsible for tracking and paying for repairs performed by Martin Marietta. Upon receipt of any repaired item, the contractor shall return the serviceable asset to the TMF supply stock for re-issue.

C.5.1.7.3. The contractor shall provide on-site maintenance and technical assistance as required, but only after it is determined that the problem cannot be resolved telephonically. The contractor personnel shall be at the requestors site within 48 hours.

C.5.1.7.9. PM ASAS will provide all necessary spares (LRU/SRU) to perform maintenance on ASAS equipment for the duration of this Delivery Order. The contractor shall provide bench stock parts as necessary to perform maintenance (via requisition and/or local purchase).

C.5.1.7.10. The contractor shall perform preventive and corrective maintenance up to General Support level on ASAS equipment IAW the Maintenance Allocation Chart (MAC) and the TM's. PM ASAS will provide diagnostic LRU's, as GFP, that are currently being utilized under the ASAS maintenance contract at the TMF. Additionally, all GFP currently on-hand at the current maintenance sites will be transferred as GFP to the contractor.

C.5.1.7.11. The technical point of contact for PM ASAS is Mr. Frank Pasquarello, commercial (703) 556-3192.

C.5.1.8 CEFIRM LEADER Maintenance Support. The contractor shall provide one (1) Senior Electronics Technician to provide maintenance, training, Configuration Management, and Supply/Logistics support of CEFIRM LEADER, located at the 138th Aviation Company, Aviation Support Facility 49, Orlando, Florida. Two separate 2-week periods (TDY) may be required to support CEFIRM LEADER at an Annual training site (TBD). Hours of normal operation are from 0730 to 1600 hours, Monday through Friday, but irregular hours (i.e., weekends) may be required as needed. The Government shall provide special and unique tools, parts, POL, calibration support, forms/regulations, facilities (telephone, utilities, office space and furniture) and technical manuals. The contractor shall provide his own tools (GFP from USACIMMC) and OSHA approved personal safety equipment.

C.5.1.9. Augsburg, Germany Forward Repair Activity (FRA)
The contractor shall install a logistician at an Augsburg FRA (facilities will be designated by the ACOR). This Augsburg FRA shall be considered an operational detachment of the Pirmasens Repair Activity. The logistician shall be responsible for actions necessary for initial set up of the Augsburg FRA, logistical support of the

TRACKWOLF system and logistical support of any additional equipment (utilized by military Intelligence units in the Augsburg area) that may require support. This Augsburg FRA effort shall commence on 24 February 1992 and continue through 30 September 1992.

C.5.1.10 TRACKWOLF Maintenance Support.

The contractor shall provide two Senior Electronic Technicians (SET) (both with TS/SCI clearances) at the Augsburg, Germany FRA. One SET's primary mission shall be maintenance support of the TRACKWOLF Environmental Control Unit (ECU). The second SET's primary mission shall be failure verification of TRACKWOLF LRU's/SRU's and repair of the failed equipment (within available resources) prior to transfer to the TRACKWOLF logistician for evacuation and OEM repair or spare stockage replenishment. Both SETs shall also provide maintenance support of any additional equipment (utilized by Military Intelligence units in the Augsburg area) that may require support, but their primary missions shall always take precedence. The contractor personnel shall be stationed at the Augsburg FRA with the TRACKWOLF logistician. This effort shall commence on 18 May 1992 and continue through 30 September 1992.

C.5.2 Contact Team Support. The contractor shall provide contact team on-site technical assistance for all systems listed in this SOW IAW timeframes outlined in this SOW. This contact team support is applicable to all major deployments, field training exercises and local exercises. The contractor shall provide contact team support only after it is determined that the problem cannot be resolved telephonically, the supported unit requests contact team support and only upon approval of the on-site ACOR. The contractor shall travel to the system site(s) and diagnose total system performance problems, perform system maintenance and provide any necessary technical guidance or instruction to operator and maintenance personnel. The contact team shall be at the requesters site within 48 hours following on-site ACOR approval. If a conflict arises between a request for a contact team and previously assigned duties for the team members, the on-site ACOR will set the priority for work to be performed. This task shall also cover the installation of Modification Work Orders (MWO's) and minor alterations, but shall be directed by the IMMC COR/ACOR.

C.5.3 Supply Support. The contractor shall supply and/or procure repair parts required to maintain these tactical IEW systems for the duration of this delivery order. The contractor shall first attempt to draw replacement parts through normal Government channels via requisitions. If the part is not available through the Government, or cannot be obtained within a 60 day timeframe, the contractor shall

obtain written approval from the IMMC COR/ACOR to purchase the item (of item cost is greater than \$500). Purchase under \$500 (open market purchases) shall be made IAW the contractors purchasing procedures. All parts used shall meet the requirements of the systems technical drawings and specifications. The COR/ACOR will coordinate with the various MACCMs and sites to allow the contractor to order parts from the Government supply system. The Government will furnish the contractor with a Department of Defense Activity Address Code (DODAAC) to facilitate this effort. The Government will provide funding of parts requisitioned by the contractor.

C.5.4 Maintenance Methodology. The contractor will be provided with the system "Hot Mock-ups" (diagnostic GFP LRU's) that are currently being utilized under contract DAAB10-89-D-0503, Delivery Order 0031, at each SRA. Additionally, all GFP and Contractor Acquired Property (CAP) utilizing Government funds, currently on-hand at each SRA under D.O. 0031 will be transferred as GFP to the contractor. The contractor shall utilize this GFP to inspect, repair, test, and restore failed items to a fully serviceable condition and return the repaired unit to the IGS facility. The contractor shall furnish all labor, material and equipment (as required) to restore items to a fully serviceable condition that is not provided as Government Furnished Property. The contractor shall determine whether an item shall exceed 75% of the current acquisition price as identified by the Army Master Data File (AMDF), at the completion of the inspection phase and prior to commencing the repair phase. If the repair of the item does exceed the 75% replacement cost, the contractor shall notify the IMMC ACOR in writing, including the inspection report, for disposition instructions.

C.5.5 Records Management. The contractor shall maintain records of all maintenance and supply transactions, keep these records current, and make them available for Government inspection at any time for the duration of this delivery order. The contractor shall provide DA Form(s) 5504 (Maintenance Request) and a Maintenance Log on a monthly basis. Maintenance of these records shall be described in the Contractors Maintenance Plan which describes in detail, by system, the contractors proposed procedures to perform the requirements of the proposed contract. The contractor shall maintain a historical database of all work requests and maintenance actions performed by the contractors, to include all MWO's and minor alterations completed. At the completion of this D.O., all records and data bases shall revert to the Government.

C.5.6 DF Calibration of the QUICKFIX System. The contractor shall provide support for DF calibration of the QUICKFIX system, as

required, using the data reduction system (AN/GSM-318) provided as GFP. All maintenance of the data reduction system shall be the responsibility of the contractor. This support shall be for the duration of this delivery order.

C.5.7 Repair Turn-Around Time. Every effort shall be made by the contractor, IAW this Delivery Order, to keep the supported systems operational. As a minimum, 90% of all failed LRU's shall be repaired within 48 hours following receipt of the failed item by the contractor. Relief from the 48 hour turn-around time will be granted for the following:

- o non-availability of repair parts
- o maintenance personnel on a higher priority contact team site visit

C.5.8 Repair Flow. Failed LRU's shall be turned in from the units to the IGS facility. The contractor shall receive the LRU's from the IGS facility, repair and return them to IGS for reissue. LRU's which cannot be repaired by the contractor shall be returned to the IGS facility for appropriate disposition IAW the MAC, except for items included under paragraph C.5.1.2 that are to be returned to the OEM by the contractor for repair and return to the ICS contractor. Upon receipt of any OEM repaired item, the contractor shall return the serviceable asset to the GS facility for reissue.

C.5.9 Workmanship. Workmanship on all repairs shall be IAW MIL-STD-454K.

C.6 Government Inspections/Inventories. Periodic inspections and acceptance of the services provided by the contractor will be performed by the IMMC ACOR/COR at each contractor facility. Periodic inventories of GFE, CAP, repair parts, etc., will also be performed by the IMMC ACOR/COR. The contractor will be advised of inspection and inventory visits at least 7 days prior to their occurrence.

C.7 Applicable Documents. In addition to the publications listed in the basic contract, the following publications and those listed in Appendix B will be required to fulfill the requirements of this Delivery Order:

MIL-E-17555H	Electronics and Electrical Equipment	14 Jul 87
INT AMDI	Accessories and Provisioned Items	
	(Repair Parts): Packaging	
MIL-STD-129K	Marking for Shipment and Storage	15 Sep 89
Notice 1		

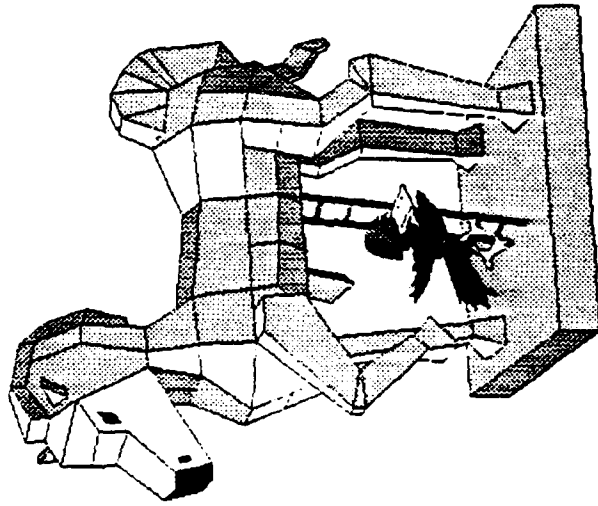
MIL-STD-1367A	Packing, Handling, Storage and Transportability Program Requirements (for Systems and Equipment)	02 Oct 89
MIL-I-45208A(1)	Inspection System Requirements	24 Jul 81
MIL-STD-454M	Standard General Requirements for Electronic Equipment Notice 2	15 Dec 89

C.8 Government Representative. The IMMC Alternate Contracting Officer's Representative for this Delivery Order is Mr. Greg Bullock, SELIM-TP, DSN 229-6497; Commercial (703) 349-6497. The IMMC COR is Mrs. Kathy Bannister, SELIM-RC, DSN 229-7712, Commercial (703) 349-7712.

C.9 A final DD Form 250 is required upon completion of the services under this Delivery Order for the purposes of administrative closeout.



TROJAN LOGISTICS SUPPORT



U.S. ARMY INTELLIGENCE AND SECURITY COMMAND



TROJAN LOGISTICS SUPPORT

INSCOM MISSIONS

Serve as TROJAN Executive Agent

Provide Technical Support to Users

Manage Logistics Support

Oversee Telecommunications Support

Provide Post Deployment Software Support

Coordinate System Security



TROJAN LOGISTICS SUPPORT

TROJAN EQUIPMENT LOCATIONS

8 Remote Receiver Group (2 being installed)

28 Monitor and Control Group (1 being installed)

4 Technical Control and Analysis Element

11 Switch Extension

1 Remote Diagnostics Facility

1 Transportable RRG (being installed)

13 TROJAN SPIRIT Systems



TROJAN LOGISTICS SUPPORT

TOTAL PROGRAM RESOURCES

2 Full time personnel on DCSLOG Staff

5 Full time personnel on MSA Staff

66 Contractor Personnel

\$4.6m Contract Cost in FY 92

5 TROJAN Intermediate Support Activities

**Part Time Installation and RF Engineering
Support**

U.S. ARMY INTELLIGENCE AND SECURITY COMMAND



TROJAN LOGISTICS SUPPORT

FUNCTIONS PERFORMED

Off-site Maintenance Support
On-Site Maintenance Support at Selected Locations
Maintenance Training
Configuration Management
Install and Deinstall Equipment
Site Surveys
Software Distribution
Support Special Projects
Install System Upgrades
ILS Support to Developer
Remote Diagnostics
Quality Assurance
Support Agreements
Contract Repair
Documentation Repository

U.S. ARMY INTELLIGENCE AND SECURITY COMMAND



TROJAN LOGISTICS SUPPORT

TROJAN SPIRIT SUPPORT

2 SPIRITs Deployed to SWA

5 SPIRITs Used in Exercises

1 Man-year of Government Oversight

1/2 Contractor Man-years (Part Time)

\$30k to Support Exercises

No Spares

FORSCOM NDI BRANCH MISSION AND FUNCTIONS

- COMPONENT OF AUTOMATED SYSTEMS DIVISION, DIRECTORATE OF INTELLIGENCE, J2
- MISSION
 - SUPPORT THE FORSCOM MI SOLDIERS' NEED FOR RELIABLE TRAINING AND GO-TO-WAR MISSION EQUIPMENT (TO INCLUDE ASSOCIATED SUPPORT ITEMS)
- FUNCTIONS
 - ANALYZES IEW MISSION EQUIPMENT SHORTFALLS, RECOMMENDS CORRECTIVE ACTION, ACQUIRES INTERIM CAPABILITY AS DIRECTED, CONDUCTS INDEPENDENT TESTING, ESTABLISHES INTERIM LOGISTICS AND TRAINING SUPPORT, DIRECTS SYSTEM FIELDING, COORDINATES DEVELOPMENT OF ARMY STD LIFE CYCLE SUPPORT

FORSCOM NDI BRANCH MISSION AND FUNCTIONS

• TDA ORGANIZATION

TITLE	GRADE	AUTHORIZED
BRANCH CHIEF <i>Chuck Evans</i>	GM-14	1
INTELLIGENCE STAFF OFFICER	0-3	1
INTELLIGENCE OPERATIONS SPECIALIST	GS-12	3
LOGISTICS SPECIALIST (CLERK)	GS-9	1
OPERATIONS NCO	E-8	1
	TOTAL	7

• SYSTEMS SUPPORTED

- AN/PRD-11
- AN/TRQ-37
- AN/TSQ-164
- AN/ULQ-19(V)2
- AN/ULQ-19(V)3
- AN/ULQ-11
- AN/GRQ-27(V)1
- AN/GRQ-27(V)2
- AN/UYK-71A

(4)

FORSCOM NDI BRANCH FUNDING DATA

- DEPOT MAINTENANCE REQUIREMENTS (MAJOR/STOCK FUND ITEMS) FUNDED THROUGH FY93; BUDGETED FOR FY94-99 (MM3353 SHEETS PROVIDED SEPARATELY)
- INITIAL AND REPLENISHMENT PROVISIONING REQUIREMENTS HAVE BEEN BUDGETED BUT ARE UNFUNDED DUE TO LACK OF DA/TRADOC VALIDATED SYSTEM DOCUMENTATION (P18 SHEETS PROVIDED SEPARATELY)
- GUIDANCE PROVIDED TO THE FIELD FOR SUBMITTING DEFENSE BUDGET OPERATING FUNDS (DBOF) REQUIREMENTS
- TRANSPORTATION FUNDED WITH P7 LINE HAUL BETWEEN GOVERNMENT INSTALLATIONS; SUBMITTED AS UNFINANCED REQUIREMENT (UFR) BY HQ FORSCOM TO COVER MOVEMENT TO AND FROM NON-GOVERNMENT ACTIVITIES (APPROXIMATELY \$50K PER ANNUM)
- GS MAINTENANCE COSTS SUBMITTED AS UFR BY HQ FORSCOM TO SUPPORT CONTACT TEAM VISITS, EXERCISE PARTICIPATION AND EQUIPMENT UPGRADE REQUIREMENTS (APPROXIMATELY \$50K PER ANNUM)
- NDI STAGING FACILITY CONTRACTOR SUPPORT (UP TO 5 EQUIPMENT TECHNIQUES/SPECIALISTS) IS FUNDED AS UFR BY HQ FORSCOM (APPROXIMATELY \$365K PER ANNUM)

FORSCOM NDI BRANCH CONTRACT INFORMATION

- **COMMAND AND CONTROL, INC., \$275,000 PER ANNUM PROVIDES WAREHOUSEMAN, DATA ENTRY AND FIELDING SPECIALIST SUPPORT, FIRM-FIXED-PRICE, GENERIC, EXPIRES 9 JUL 92**
- **MITEK, INC., \$89,000 PER ANNUM PROVIDES TEMPEST REPAIR SUPPORT, FIRM-FIX-PRICED, GENERIC, EXPIRES 30 SEP 92**
- **GEORGIA TECH RESEARCH INSTITUTE \$1,600,000 PER ANNUM PROVIDES SOFTWARE DEVELOPMENT AND MAINTENANCE SUPPORT, COST, OEM/UYK-71A, EXPIRES 30 SEP 95**
- **SMALL PURCHASE ORDERS, NOT TO EXCEED \$25,000 EACH, PROVIDE REPAIR OF COMPONENTS IN GRQ-27(V), UYK-71A AND TSQ-164, FIRM-FIXED-PRICE, OEM**

LOGISTICS SUPPORT GROUP



ANCLO-EC-M
10A0422

LOG SPT GROUP

OPERATION DESERT STORM/SHIELD

TIME LINE

2 AUG 1990 7 AUG 1990 17 AUG 1990 22 AUG 1990 24 AUG 1990 2 SEP 1990 4 SEP 1990 6 SEP 1990 1 OCT 1990 1 NOV 1990 15 NOV 1990 17 JAN 1991 30 JAN 1991 7 FEB 1991 12 FEB 1991 28 FEB 1991 7 MAR 1991 16 MAR 1991 27 MAR 1991

DESERT SHIELD

DESERT STORM

COMBAT

DEPLOYMENT

PRE

IRAQ
INVADES
KUWAIT

AMC COMMAND
WIDE
ACTIVATION

PRE POSITIONED
SHIPS
OFF LOADED

RESERVE
COMPONENT
MOBILIZATION

FIRST DESERT
EXPRESS
FLIGHT

AMC SWA
DEPLOYS
TO SWA

AMC SWA
DEPLOYS
TO KKM

SURGE

FORCE
MOD

SURGE
ESTABLISHED

FOOD &
FORAGE

AMMO
RETROGRADE
OPERATIONS

AMC PRESENCE
ESTABLISHED
IN-THEATER

COORDINATE
RESUPPLY
PACKAGE

APQ
MOBILIZATION
STATION

IDENTIFY
FRIENDLY
FORCES

APQ
MOBILIZATION
STATION

LOG SPT GROUP

AMCLOG-SC-M
LOGA00423

FUNCTION EXAMPLES

PHASES

MOBILIZE DEPLOY CONDUCT OPERATIONS REDEPLOY

MANAGE/SUPPORT RX PROGRAM

40 - 50 LEVEL AVIATION REPAIR

AMMUNITION SURVEILLANCE AND RETROGRADE

C OF CONTRACTOR OPERATED FORWARD REPAIR ACTIVITIES

HIGH TECH - DOLLAR, LOW DENSITY ITEMS

AUTOMATION SOFTWARE ASSISTANCE

TMDE PROGRAM

CERTIFY REPAIRABLES
FOR RETROGRADE

LOG SPT GROUP



BACKGROUND

- U.S. ARMY SUPPORT GROUP FIELDIED IN ODS
- PERSONNEL WERE STATE OF THE ART TRAINED
- MISSION OF ORGANIZATION EVOLVED OVER TIME
- TDA UNIT WAS TAILORABLE
- AUGMENTED BY CONTRACTOR SUPPORT

TASKER RESULTED
FROM CDR AMC/CASCOM
VISIT TO SWA 18-22 AUG 90

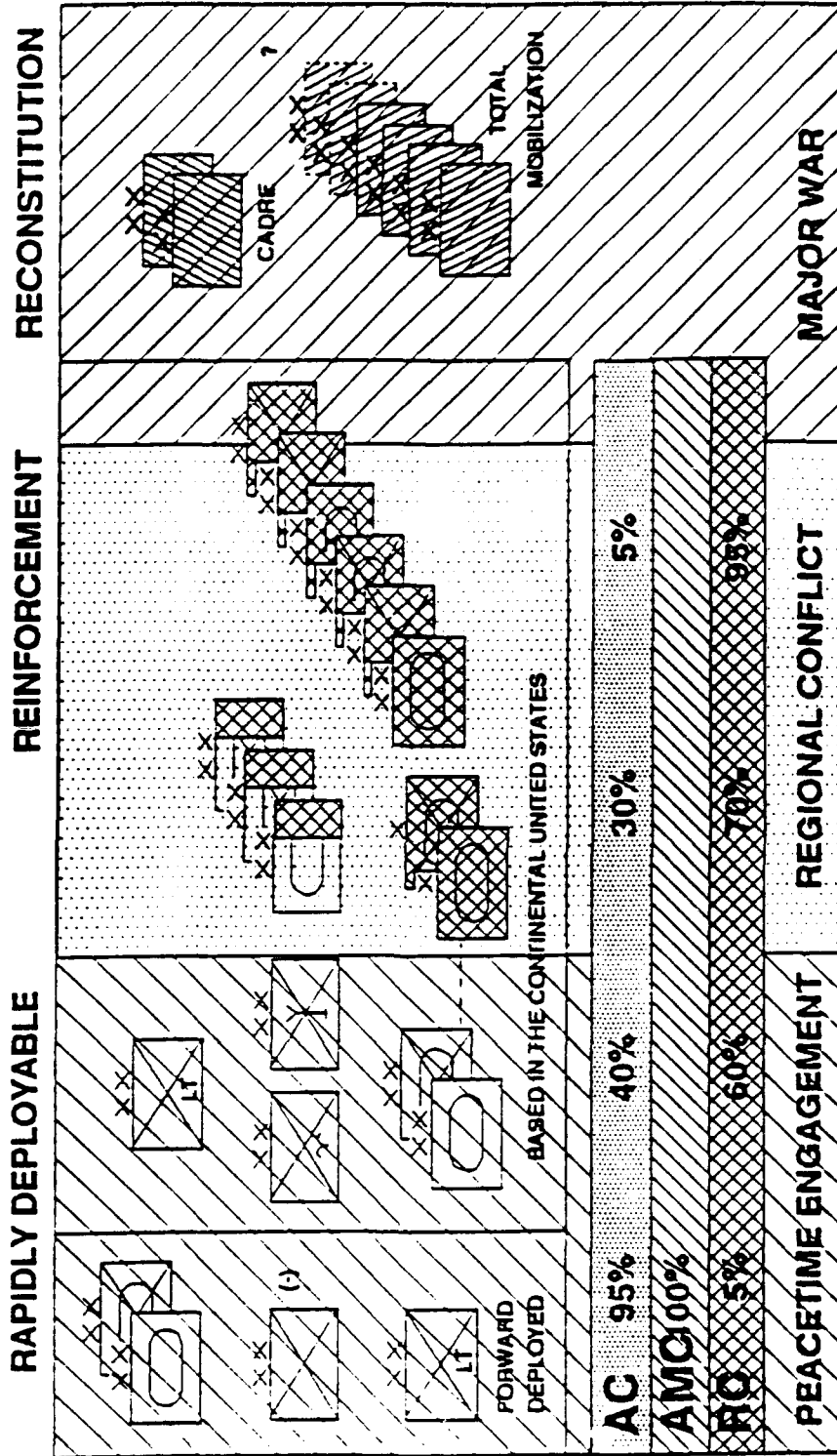
LOG SPT GROUP

GENERATING THE FORCE



COMBAT

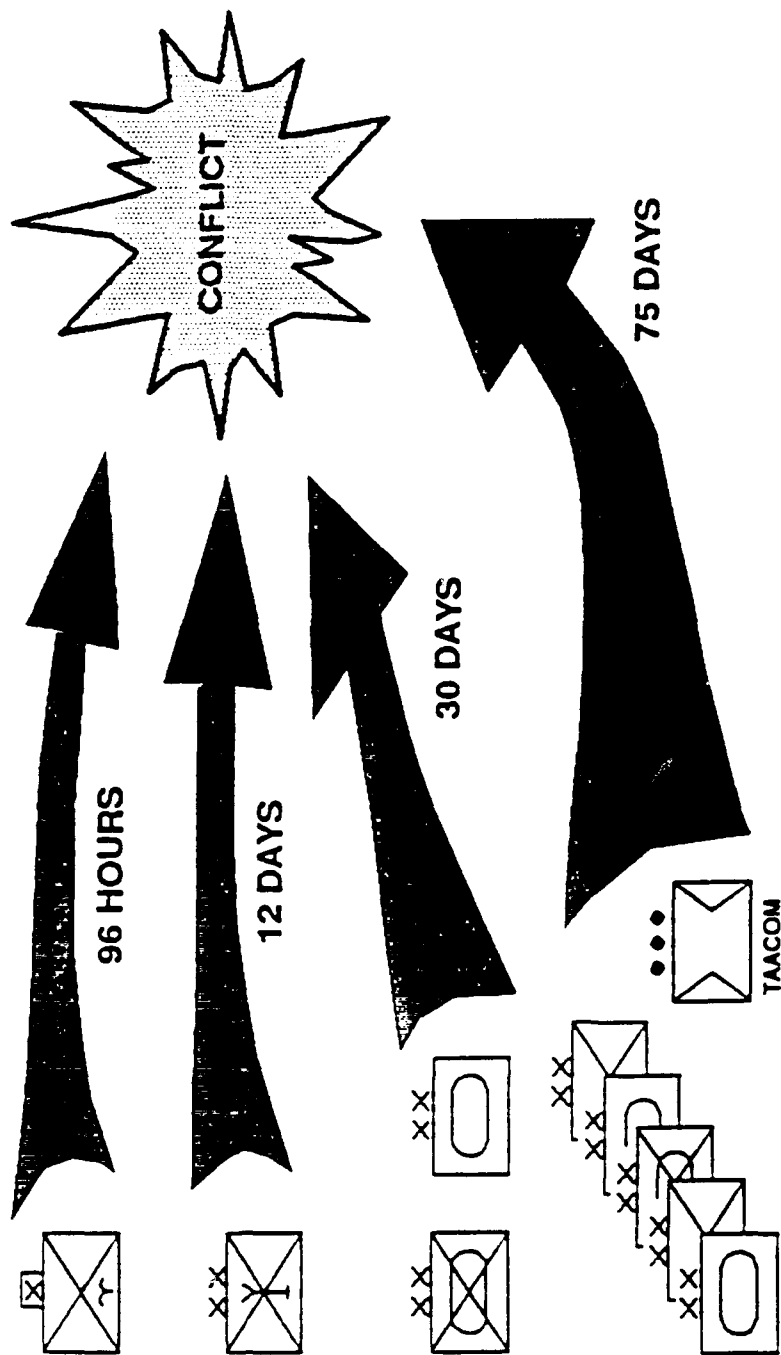
SPT



LOG SPT GROUP

AMCLO-9C-M
LOG 90-432

FORCE PROJECTION WORLDWIDE

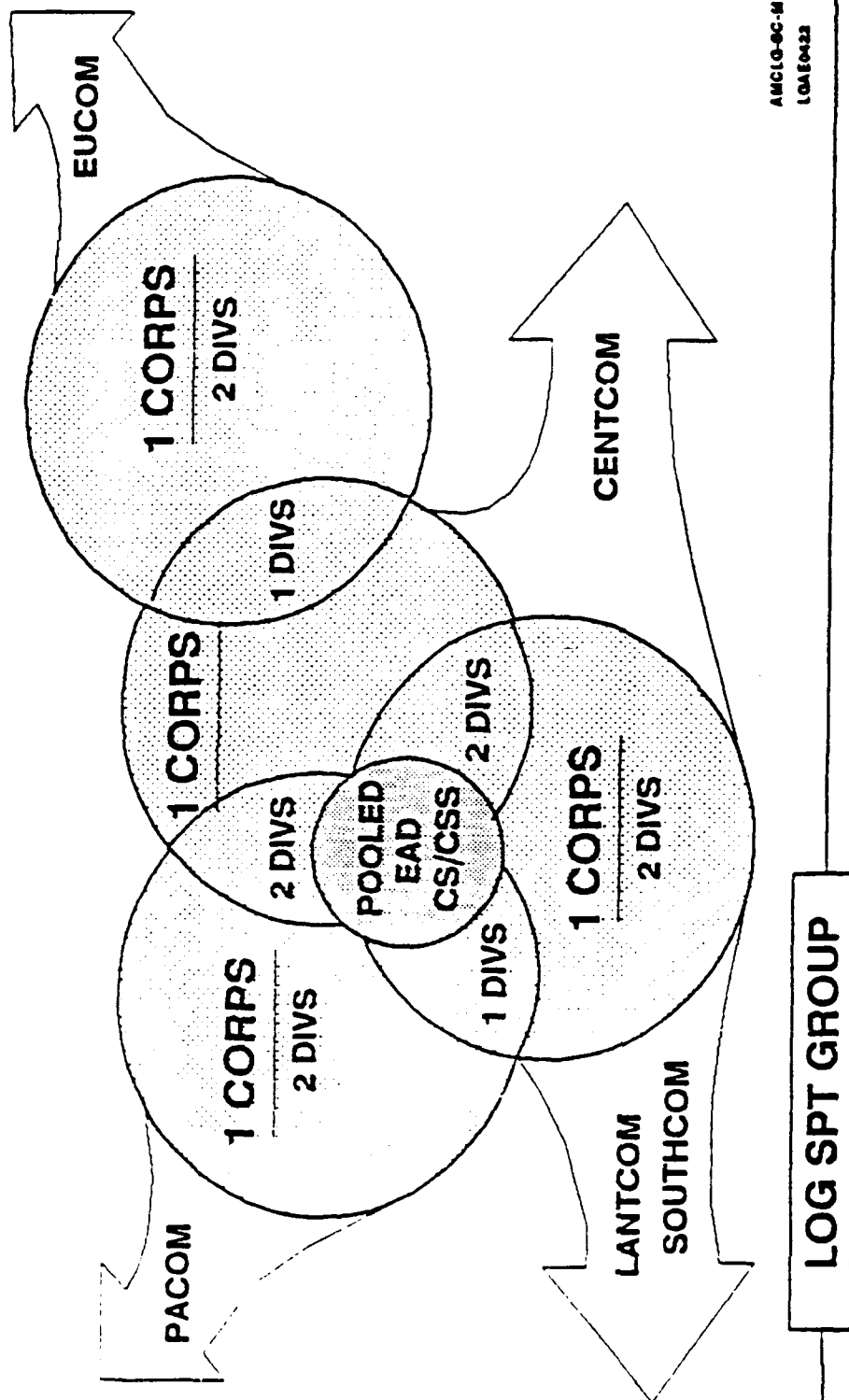


AMCIG-6C-M
10AC0432

LOG SPT GROUP

FORCE APPORTIONMENT

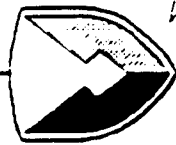
4 CORPS WITH REGIONAL FOCUS & TAILORABLE CS/CSS PACKAGES



AMCLO-9C-M
LOA 0422

LOG SPT GROUP

STRATEGIC VISION



- AMC IS THE ARMY'S LEADER IN EQUIPPING AND SUSTAINING THE TOTAL FORCE.
- WE ARE A FORCE MULTIPLIER FOR THE RESHAPED FORCE, PROVIDING TECHNOLOGICALLY SUPERIOR EQUIPMENT AND RESPONSIVE SERVICES TO MEET WORLDWIDE POWER PROJECTION AND SECURITY ASSISTANCE REQUIREMENTS.
- WE ARE A DEDICATED AND INNOVATIVE WORK FORCE MEETING THE NEEDS OF THE SOLDIER AND NATIONAL SECURITY.
- WE WORK IN PARTNERSHIP WITH INDUSTRY TO ALWAYS PROVIDE TOTAL QUALITY AND BEST VALUE TO AMERICA'S ARMY IN EVERYTHING WE DO.

"NO MORE TASK FORCE SMITHS"

LOG SPT GROUP

AMC CHALLENGES

✓ SUSTAIN THE FORCE

✓ PROVIDE SUPERIOR TECHNOLOGY

✓ ENSURE A MOTIVATED, COMPETENT, WELL TRAINED
QUALITY WORK FORCE

✓ ENSURE AMC IS A VITAL PART OF THE
TOTAL FORCE

✓ SECURITY ASSISTANCE

TOTAL ARMY QUALITY

LOG SPT GROUP

AMCIG-SC-M
LOG 70422

AMC CHALLENGES

✓ DOWNSIZE AMC CONSISTENT WITH THE ARMY

✓ EXPLOIT ESSENTIAL CORE CAPABILITIES SUPPORTING THE ARMY'S WARFIGHTING CAPABILITIES

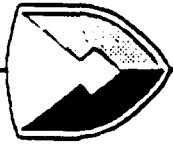
✓ MAKE "BEST VALUE" A WAY OF LIFE

✓ POWER PROJECTION: STRENGTHEN AMC'S STRATEGIC MOBILIZATION CAPABILITY

✓ OPERATE IN PEACE AS IN WAR

TOTAL ARMY QUALITY

LOG SPT GROUP



LOGISTICS SUPPORT GROUP ORGANIZATION AND CONCEPT

LOG SPT GROUP

AMCIG-SC-M
LOGC0033

LOG SPT GP MISSION

PERFORM SPECIFIED SUSTAINING
LOGISTICS FUNCTIONS IN A
THEATER OF OPERATIONS

KEY POINTS:

- NOT TIED TO MOBILIZATION
- IMMEDIATE RESPONSE
- TAILORABLE
- SKILLED/QUALIFIED PERSONNEL

BOTTOM LINE: RIGHT GUY/RIGHT TIME/RIGHT JOB

LOG SPT GROUP

AMCIG-9C-M
LOGH0432

TYPES OF SUPPORT

TMDE
ACTIVITY

EQUIPMENT
IDENTIFICATION
TEAMS

CONTRACTORS

FRA

ALAT

AVCRAD

STORAGE
ACTIVITY

MUNITIONS
RETROGRADE

GS MAINT
TEAMS

REDISTRIBUTION
MANAGEMENT

ANCIO-8C-M
LOG K0422

LOG SPT GROUP

RELATIONSHIPS



HCSSA
SSC DLA
AMC
CASCOM

ASSIGNED

TECHNICAL CHANNELS

SENIOR
LOG HQ

OPCON

LOG
SPT GP

MATERIEL
MGT

TAMMO

SUPPORT
TEAMS

CONTRACT
TEAMS

MAINT
TEAMS

FRAP

LOG SPT GP
MAY BE OPCON TO COSCOM
IN IMMATURE THEATER

LOG SPT GROUP

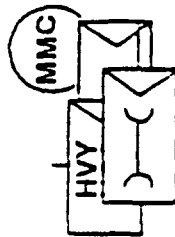
ANCIO-SC-M
10A10422

WHY A LOG SPT GROUP?



EARLY DEPLOYMENT OF ALL CSS UNITS

NOT FEASIBLE



SUPPORT NEEDS TO BE TAILORABLE



AC/RC CSS MAY NOT BE TRAINED/EQUIPPED
TO PERFORM THE APPROPRIATE LEVEL

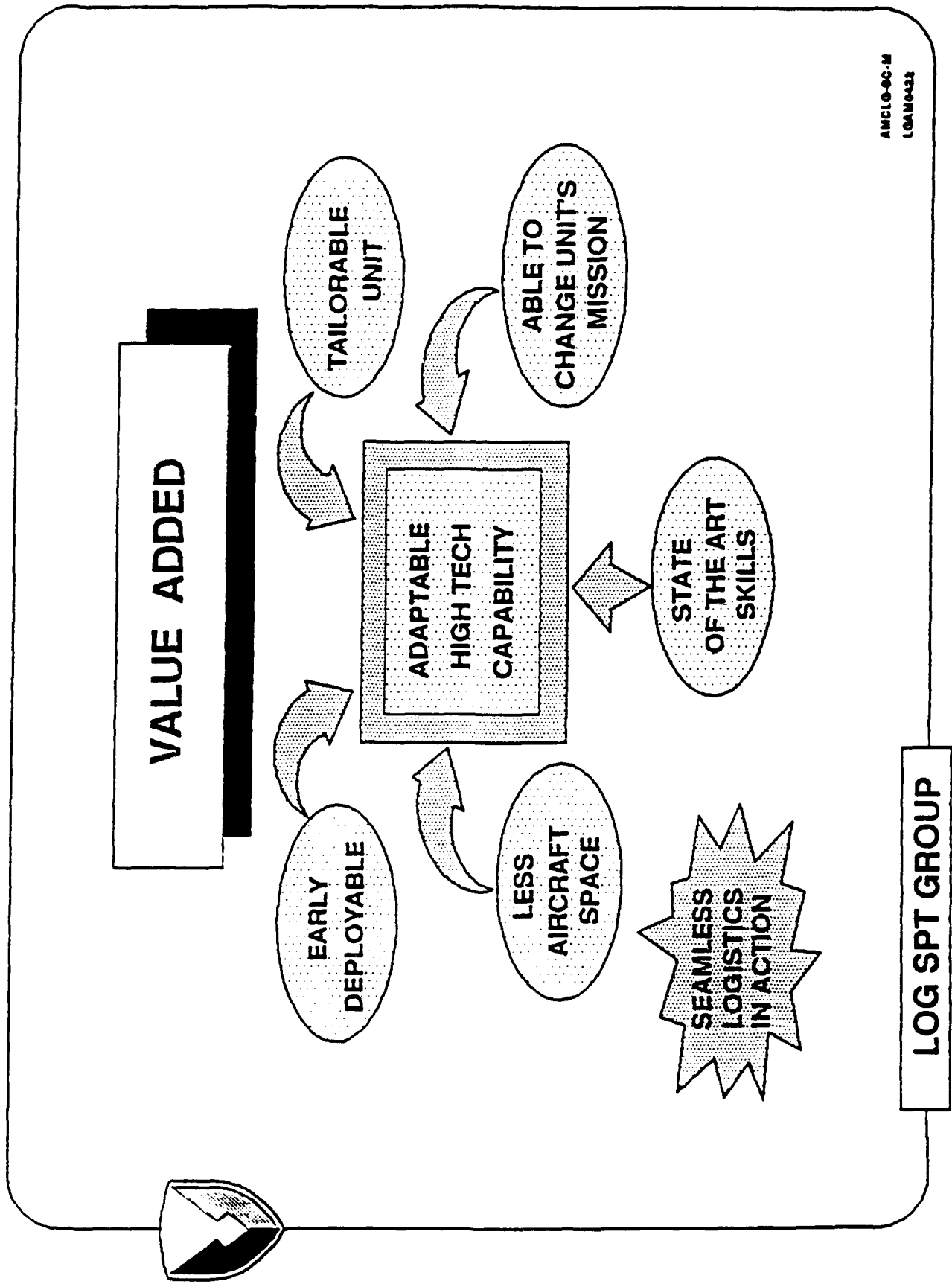
OF MAINTENANCE

HIGH TECH
HIGH DOLLAR
LOW DENSITY

ITEMS NEED SPECIAL ATTENTION

BOTTOM LINE: RIGHT GUY / RIGHT TIME / RIGHT JOB

LOG SPT GROUP



LOG SPT GROUP

OBJECTIVES

- REPAIR AS FAR FORWARD AS FEASIBLE
- MINIMIZE RETROGRADE OF CRITICAL REPARABLES
FROM THEATER
- SHORTEN THE SUPPLY PIPELINE
- REDUCE THE AMOUNT OF MATERIEL IN THE
SUPPLY PIPELINE
- PROVIDE OPTIMUM SUSTAINMENT SUPPORT

READINESS

LOG SPT GROUP

LOGISTICS SUPPORT GROUP CONCEPT PACKAGES

HEAVY CORPS

- LSG C2
- SUPPLY DIV
- MAINTENANCE DIV - COMBAT VEH
- AVIATION DIV - ATK AND LIFT TMS
- MUNITIONS DIV
- LOG AUTOMATION DIV
- PROCUREMENT/CONTRACT DIV
- TMDE/FAST/AOAP/QA
- PLANS AND OPERATIONS DIV

LSG STRENGTH = 1732

LIGHT CORPS

- LSG C2
- SUPPLY DIV
- MAINTENANCE DIV - TAC VEH/COMMO
- AVIATION DIV - LIFT AND ATK TMS
- MUNITIONS DIV
- LOG AUTOMATION DIV
- PROCUREMENT/CONTRACT DIV
- TMDE/FAST/AOAP/QA
- PLANS AND OPERATIONS DIV

LSG STRENGTH = 1352

LOG SPT GROUP

LOGISTICS SPT GP STRUCTURE



SENIOR
LOG HQ

LAO

COMMAND
GROUP

REAR
DETACHMENT

MMC
AUG

SUPPLY
DIVISION

MAINTENANCE
DIVISION

AVIATION
LOGISTICS
DIVISION

MUNITIONS
DIVISION

AUTOMATION
LOGISTICS
DIVISION

PROCUREMENT
CONTRACT
SPT DIV

TMDE
BN

QUALITY
ASSURANCE
DIVISION

PLANS
OPERATIONS
SPT DIV

FAST

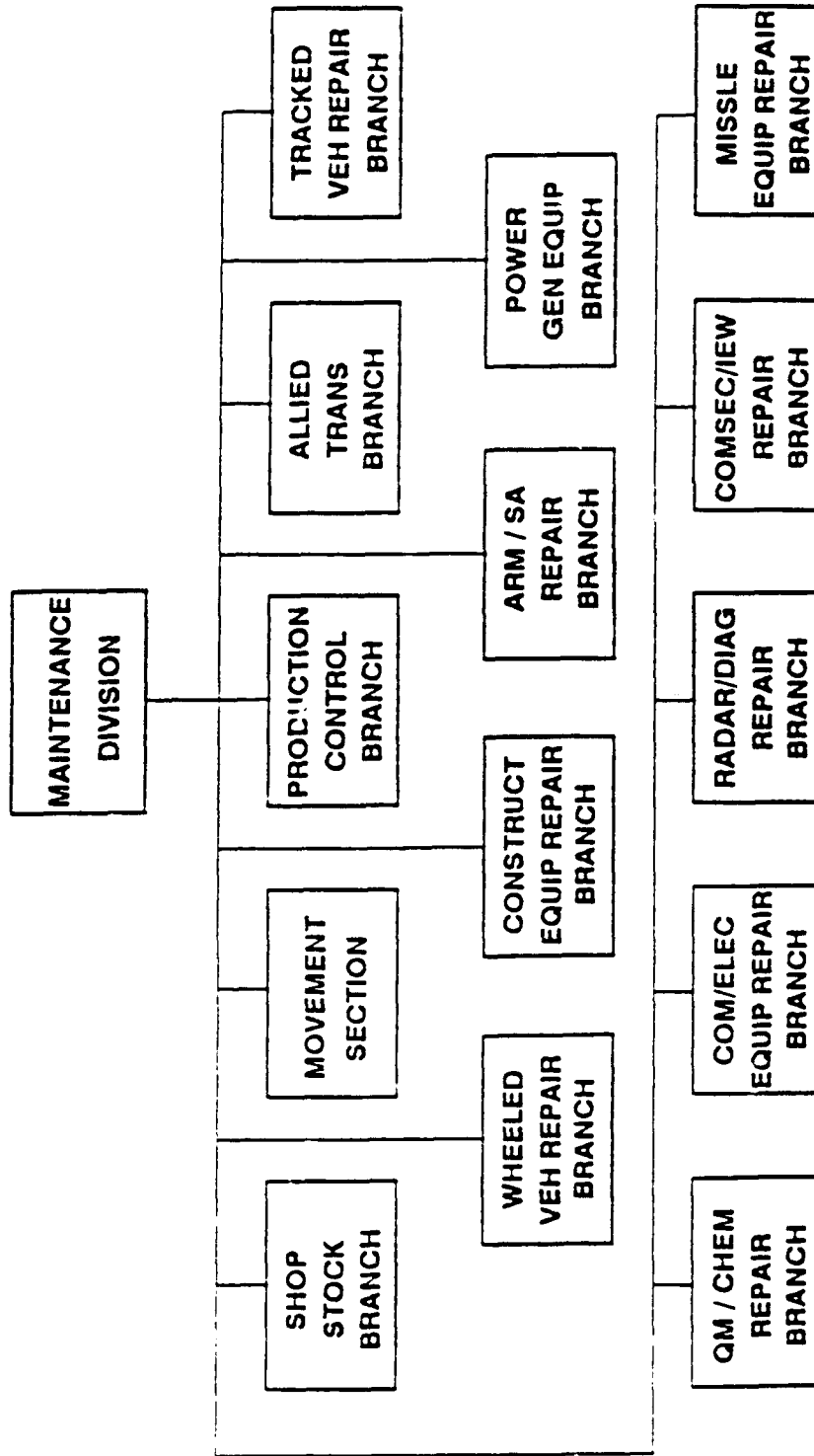
COMMAND AND CONTROL
COORDINATION
MATERIEL MANAGEMENT
OPCON

AQAP

LOG SPT GROUP

AMCLG-9C-M
10A20422

MAINTENANCE DIVISION



AMCIG-8C-M
10000432

LOG SPT GROUP

MAINTENANCE DIVISION

- MAINTENANCE MANAGEMENT PLANNING AND PRODUCTION CONTROL
- LIMITED COMPONENT REPAIR
- MODIFICATION
- ALTERATION
- MODERNIZATION
- OVERHAUL
- RECLAMATION OF SUBASSEMBLIES AND COMPONENTS OF END ITEMS
- RETROGRADE SUPPORT
- TECHNICAL ASSISTANCE

AMC LG-9C-W
LGBH-432

LOG SPT GROUP

LSG RESOURCE PROVIDERS

DLA

SUPPLY
DIVISION

CASCOM/SSC/HCSSA

AUTOMATION
LOGISTICS
DIVISION

HQ AMC

LAP

FAST

DESCOM

COMMAND
GROUP

REAR
DETACHMENT

QUALITY
ASSURANCE
DIVISION

PLANS
OPERATIONS
SPT DIV

MAINTENANCE
DIVISION

PROCUREMENT
CONTRACT
SPT DIV

AMCCOM/SMCA

MUNITIONS
DIVISION

HQ AMC/FORSCOM

AVIATION
LOGISTICS
DIVISION

AVSCOM/DESCOM

USATSG

TMDE
BN

AOAP

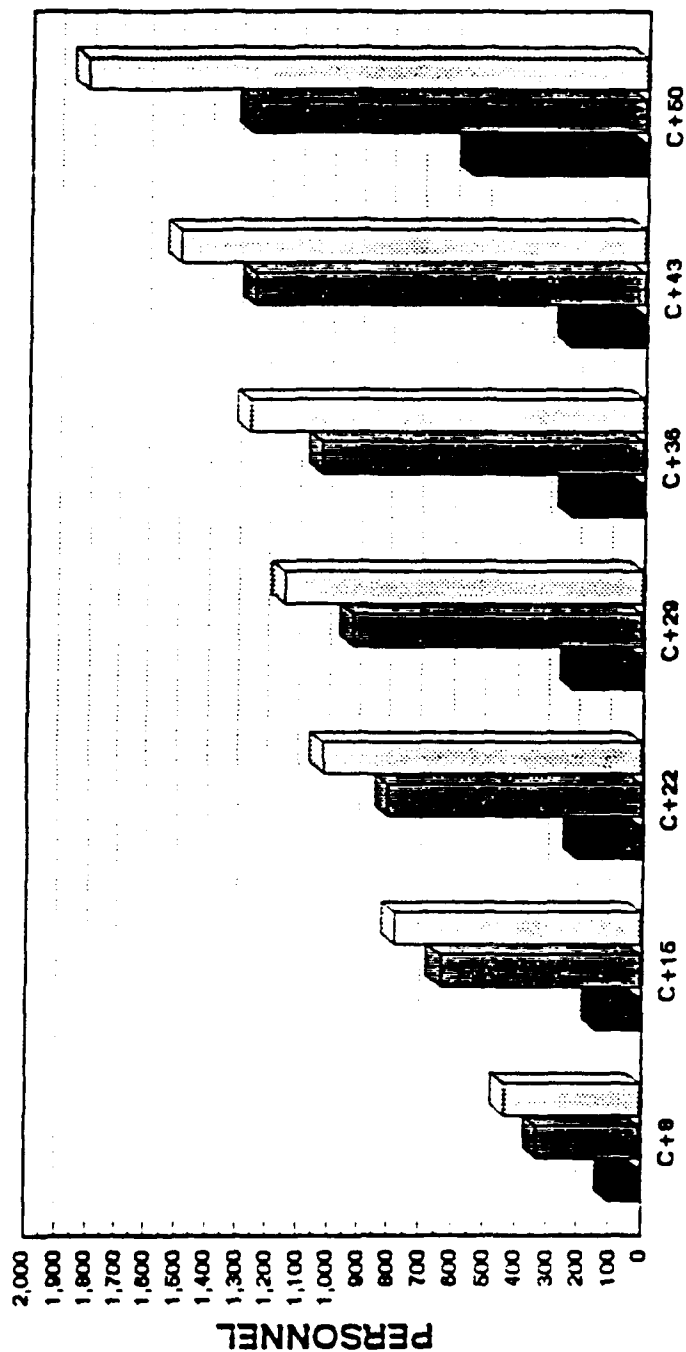
MMC
AUG

LOG SPT GROUP

AMCLO-SC-M
10AX9433

DEPLOYMENT

PROJECTED DEPLOYMENT BUILD UP



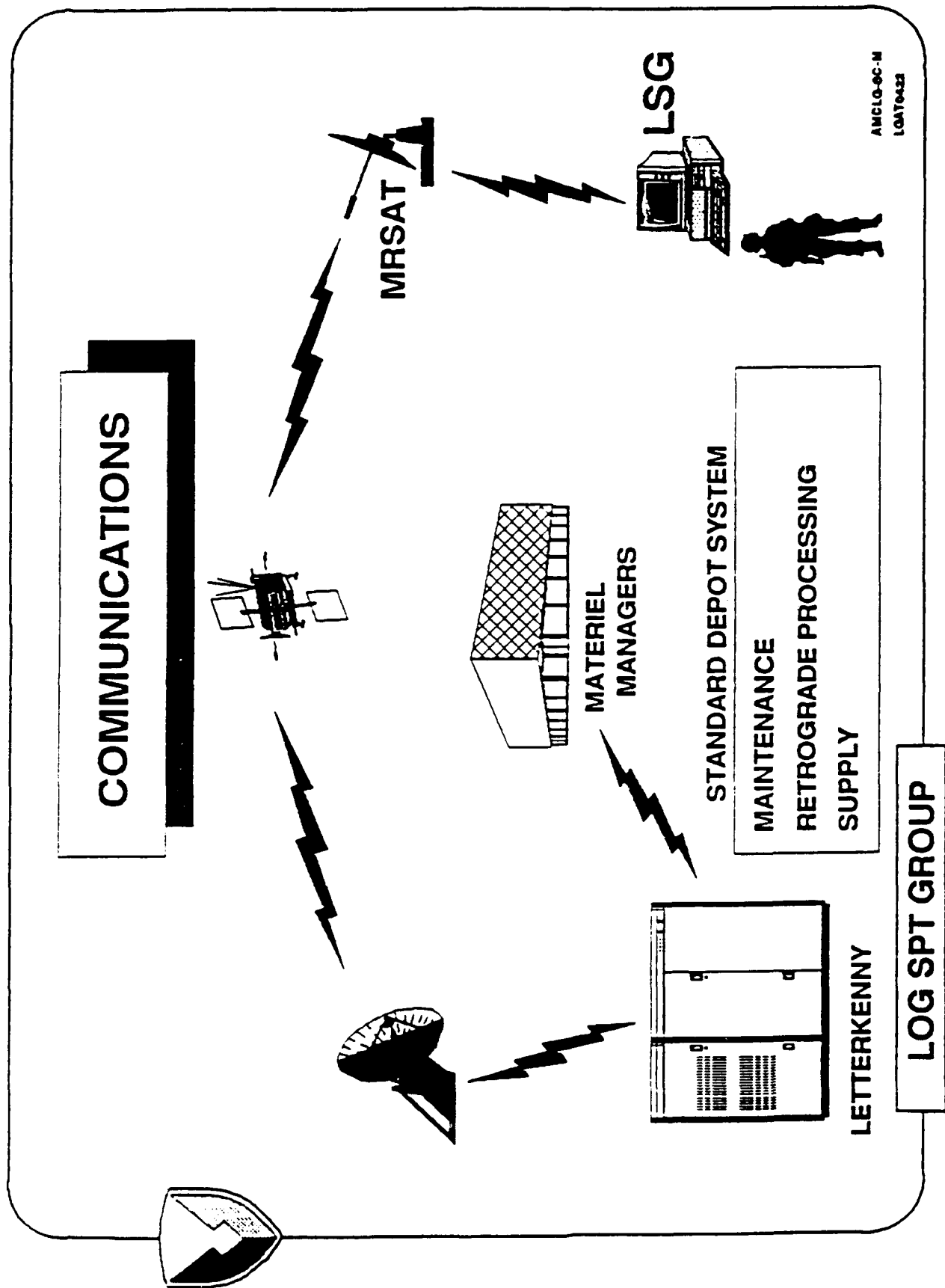
LATEST ARRIVAL DATE

MILITARY CIVILIAN TOTAL

DOES NOT INCLUDE IN PLACE CAPABILITY

LOG SPT GROUP

AMOLG-SC-M
LOAW0432



COMMUNICATIONS

MRSAT

LSG

AMCLQ-9C-M
LOGSPT

MATERIEL
MANAGERS

STANDARD DEPOT SYSTEM

MAINTENANCE
RETROGRADE PROCESSING
SUPPLY

LETTERKENNY

LOG SPT GROUP



WHERE WE ARE IN DEVELOPMENT

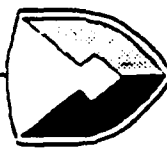
WHERE WE ARE:

- DEVELOPING ORGANIZATIONS AND CONCEPT WITH DESCOM AND CASCOM
- DESCOM VALIDATED MOB TDA
- DESCOM COMPLETED DRAFT TDA FOR PERSONNEL AND EQUIPMENT
- CONDUCTING EXTERNAL COORDINATION WITH DLA, USARPAC, USFK

WHERE WE ARE GOING:

- CASCOM STAFFING CONCEPT WORLDWIDE
- CONCEPT APPROVAL PROCESS WITH AMC, DLA, CASCOM AND TRADOC
- INCORPORATE IN CONTINGENCY PLANS
- PORTRAY AND ROLE PLAY LSG - LOGEX 92 IN JUL 92
- PORTRAY AND ROLE PLAY LSG - ULCHI FOCUS LENS IN AUG 92
- FINALIZE TDA AND PROCEDURES BASED ON EXERCISE AARs

LOG SPT GROUP



MILESTONES

- 2 DEC - CONCEPT BRIEF WITHIN CASCOM
- 6 DEC - COMPLETE 1ST DRAFT OF CONCEPT
- 12 DEC - BRIEF CONCEPT TO AMC HQ PERSONNEL
- 20 JAN - CMTS ON 1ST DRAFT FROM AMC/DESCOM
- 13 MAR - SEND CONCEPT OUT FOR WORLDWIDE STAFFING
- 21 & 28 APR - BRIEF HQDA DCSLOG, FORSCOM
- 13 MAY - BRIEF DLA
- 18 MAY - ACTION OFFICER WORKSHOP
- 8 JUN - IPR WITH AMC, DLA, CASCOM, AND FORSCOM
- TBD - TRADOC REVIEW BOARD
- TBD - DOCTRINE INTEGRATION

LOG SPT GROUP

CONCLUSION

AMC READY FOR THE FUTURE

- THINKING SMART - NON TRADITIONAL
- BE PART OF THE COMBAT TEAM
- WEAPON SYSTEM MANAGEMENT

FSB → AMC

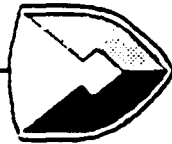


KEY TO SUCCESS

AMC - AMERICA'S ARSENAL FOR THE BRAVE

LOG SPT GROUP

AMCLO-9C-M
LOAY9422





USA SPECIAL OPERATIONS COMMAND
DEPUTY CHIEF OF STAFF FOR
INTELLIGENCE

ARSOF
IEW SUSTAINMENT
PLAN AND FUTURE CONCEPTS

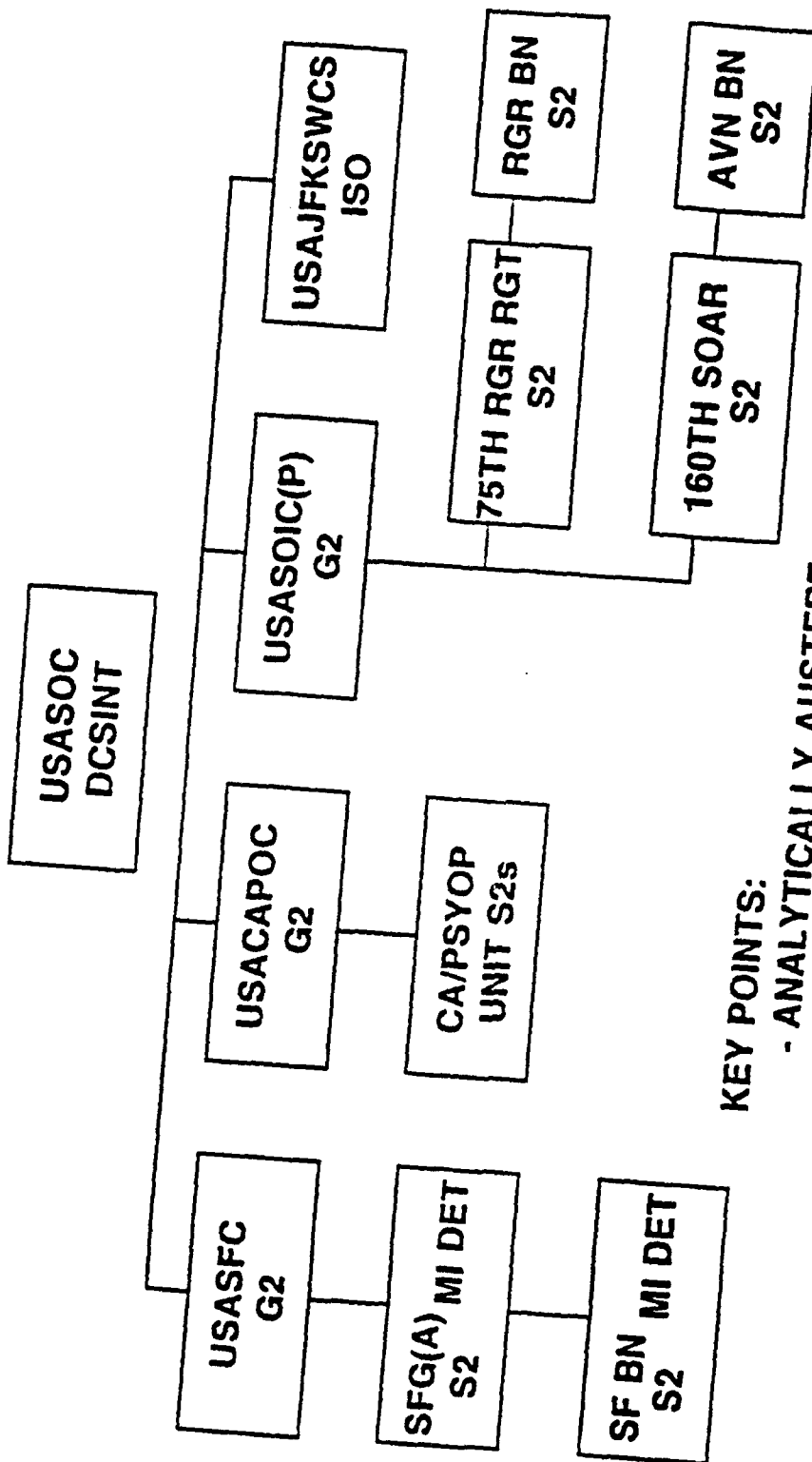
27-29 MAY 92

MR. TAYLOR
MR. NUNN
MSG WALENSKY

AGENDA

- MI FORCE STRUCTURE
 - PERSONNEL
 - EQUIPMENT
- CURRENT MAINTENANCE FLOW
- FUTURE CONCEPTS/EQUIPMENT
 - SSMS
 - SOCRATES TACTICAL SYSTEMS (2)
 - SOFSA

MI STRUCTURE



KEY POINTS:

- ANALYTICALLY AUSTERE
- DEPENDENCE UPON NAT'L & THEATER SPT FOR COLLECTION, PRODUCTION, DISSEMINATION

USASOC

REPAIR PERSONNEL

(33T)

ACTIVE COMPONENT

-TO&E AUTHORIZATIONS (SF GROUP)

-13 AUTH

-17 ASGN

-ASSIGNED AT SF BN SPT CO

-E4/E5s

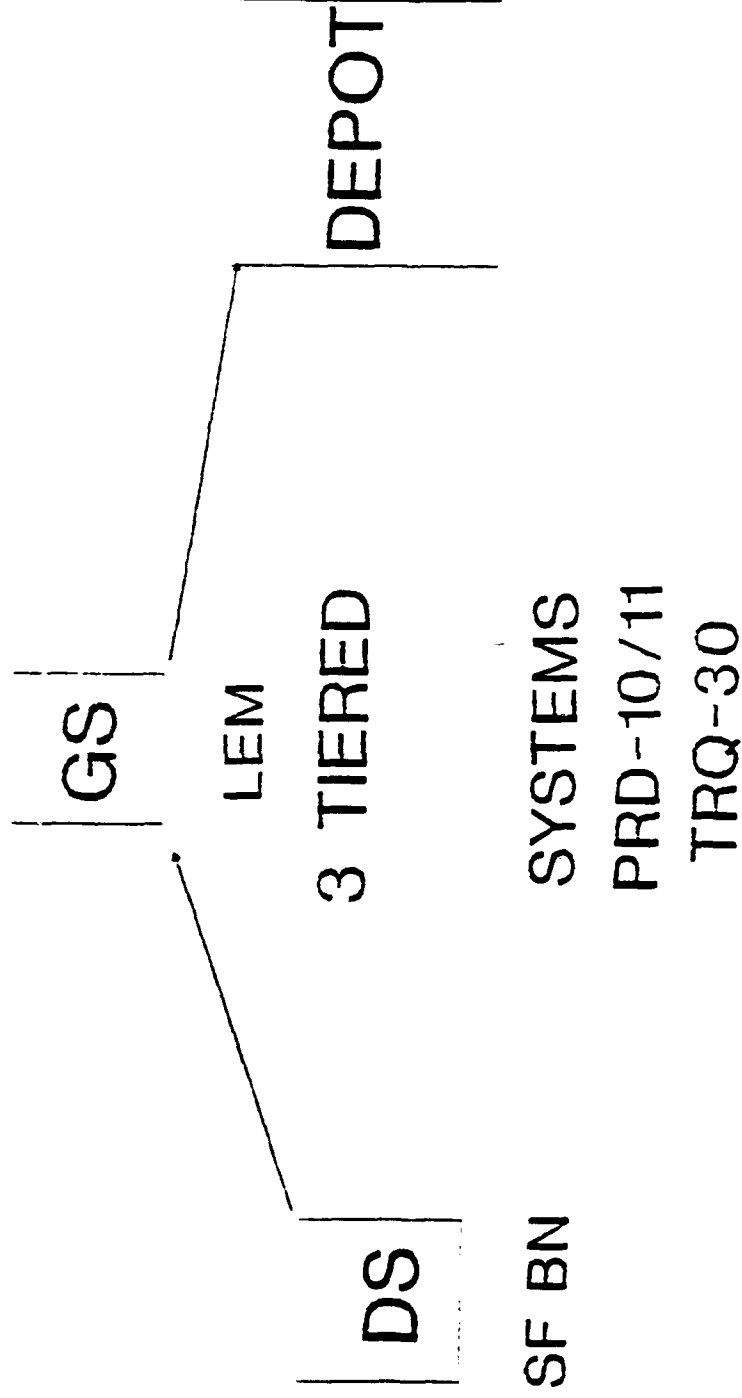
SOT-A EQUIPMENT

	<u>TRQ-30</u>	<u>PRD-10</u>	<u>PRD-11</u>	<u>TOTAL</u>
1st *	5	3	7	15
3rd	4	0	0	4
5th	12	4	9	25
7th	3	3	8	14
10th *	0	5	7	12
TOTAL	24	15	31	70

*Does not include SIGINT equipment issued to 1/10th or 1/1st

SIGINT EQUIPMENT MAINTENANCE FLOW

(CONUS)



FUTURE MAINTENANCE CONCEPTS

- SOF PECULIAR ONLY

- ITEMS OF EQUIPMENT

 - SSMS

 - SOF-IVEH

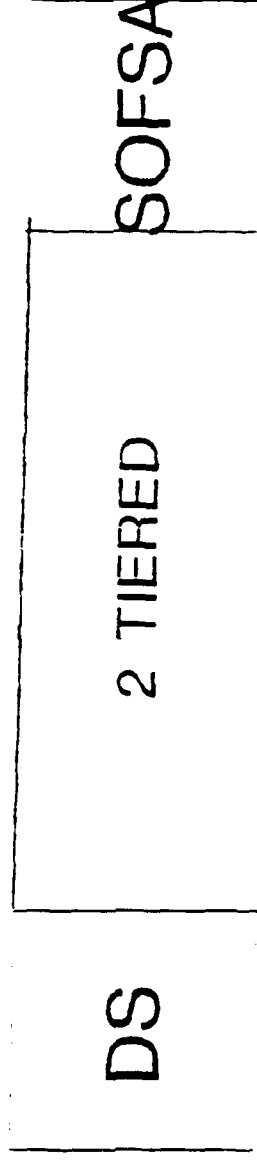
 - MT'S

- PROJECTED FIELDING DATES

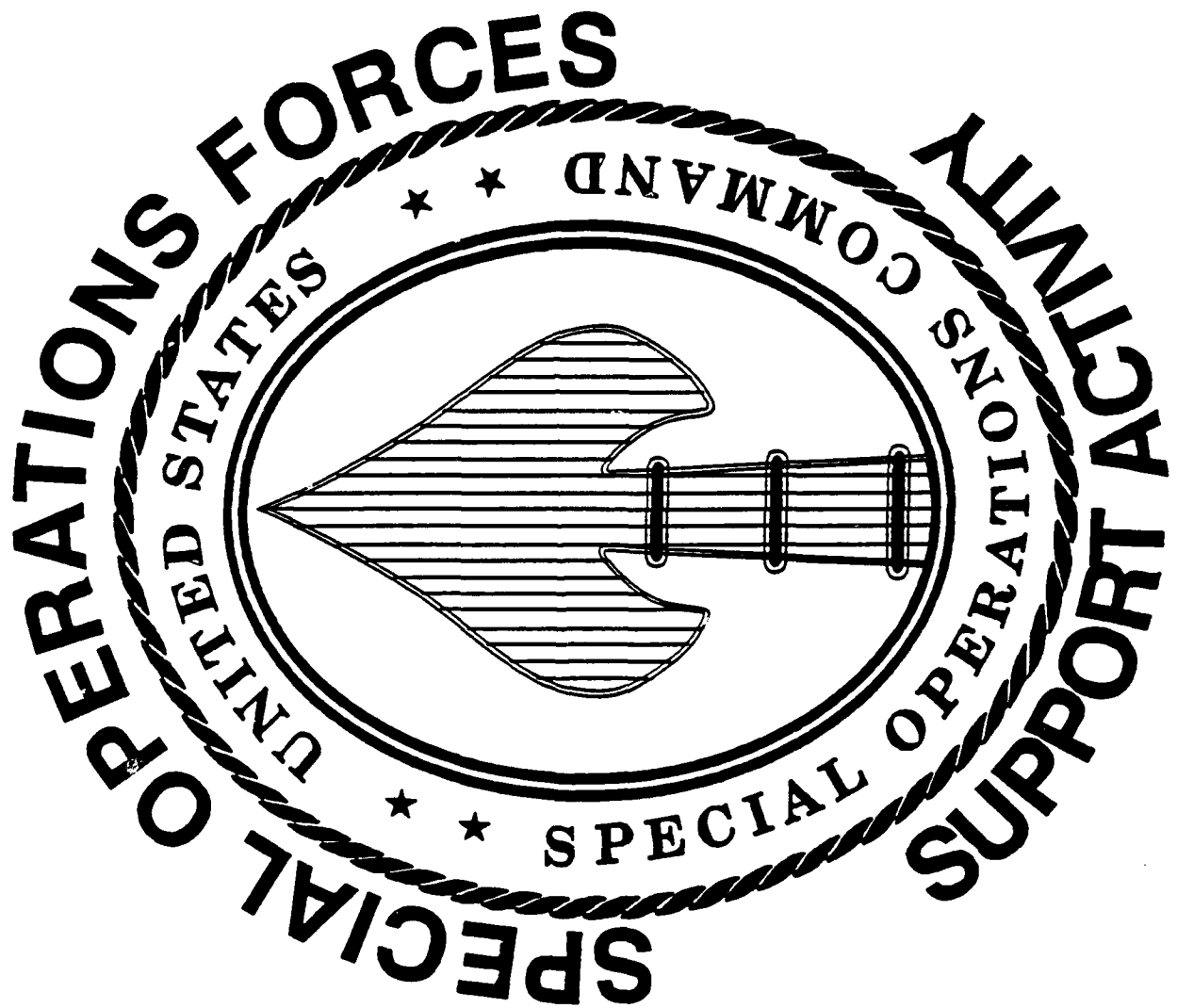
 - FY93-FY96

FUTURE MAINTENANCE CONCEPTS

(CONTI)



SOF PECULIAR
TACTICAL SYSTEMS



CONTRACT OVERVIEW

- Cost Plus - Fixed Fee Contract
- 1986 - Began as Communications-Electronics repair, overhaul, modification and manufacture of general signal equipment
- 1988 - Added aircraft maintenance and modification for Army and Air Force
- 1990 - Added Special Operations general support Air Traffic Control and Information Systems Command fixed radar and telecommunications design and installation
- Currently under solicitation for period FY93-FY97 as Special Operations Command general logistics support activity
- Projected award date - September 92

BENEFITS

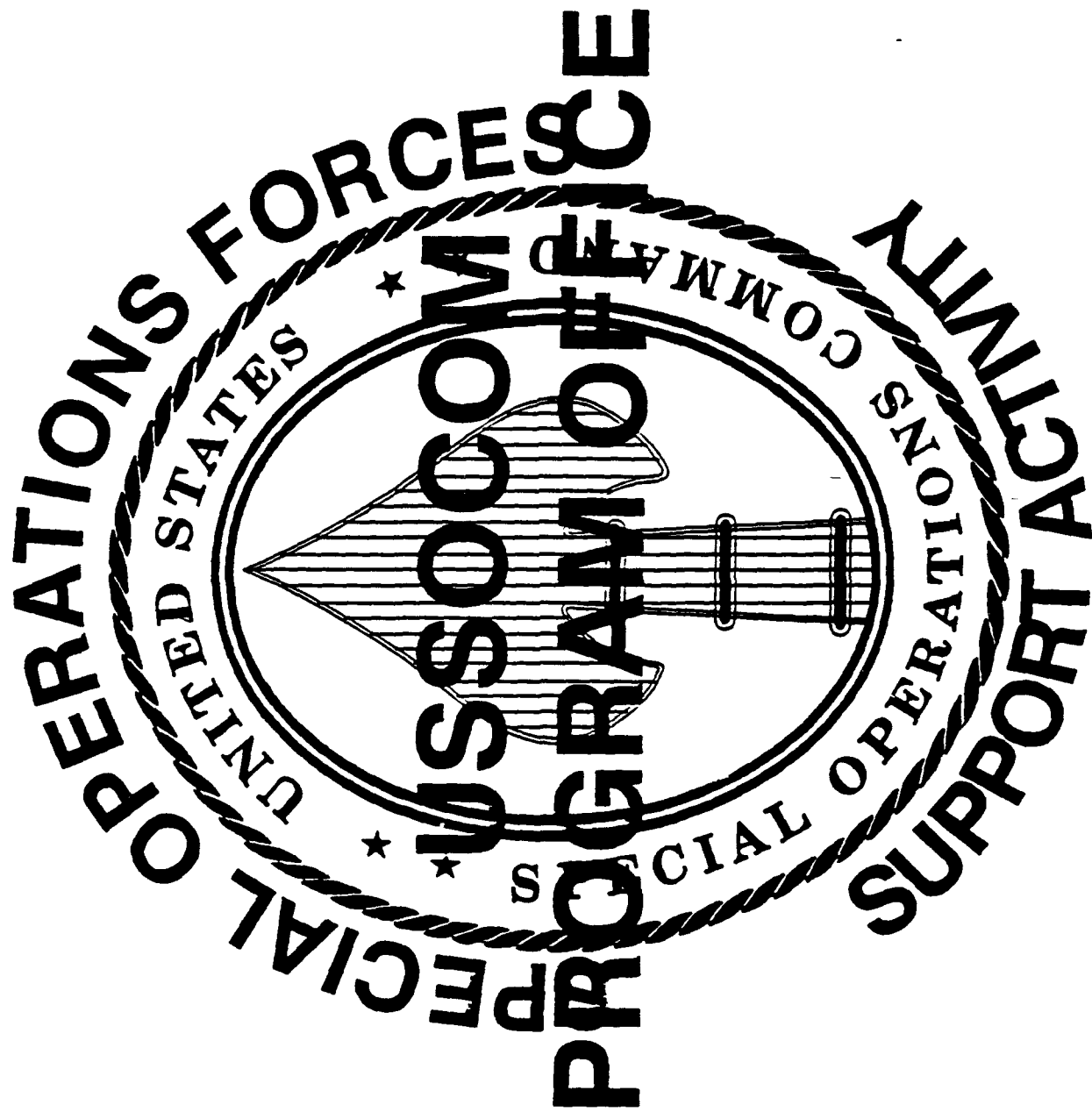
- Operational concept combines both Government and Contractor strengths
 - Base utilization reduces overhead costs
 - DOD Supply System used on fill or kill basis - no backlog
 - Rapid Acquisition through contract purchasing
- Highly competitive labor rate
- Simplified working and funding procedures

BENEFITS

- Ability to rapidly deploy technical support personnel and equipment
 - 24 hour notice for CONUS
 - 48 hour notification for OCONUS
- Ability to rapidly shift manpower skill base and employment levels
- Skilled, highly motivated workforce

CAPABILITIES

- Engineering Services
- Rapid Fabrication
- Electronic Repair & Return
- Training
- Logistics Support services for designated equipment
- Sensitive Compartmented Information Facility



MISSION STATEMENT

To establish a pro-active environment for the management of a highly flexible, responsive, full spectrum logistics support activity focused on meeting the unique support requirements of Special Operations Forces worldwide.

MAJOR PROGRAMS

SOF Non-Standard Equipment Support (USSOCOM)

- Provides centralized full spectrum logistics support for SOF non-standard equipment programs including:
 - Integrated Logistics Support
 - Joint Operational Stock (JOS)
 - SOFBASE Management Information System

SOF PROGRAM OFFICE

MANAGEMENT RESPONSIBILITIES

PROVIDE CENTRALIZED SOCOM LOGISTICS SUPPORT

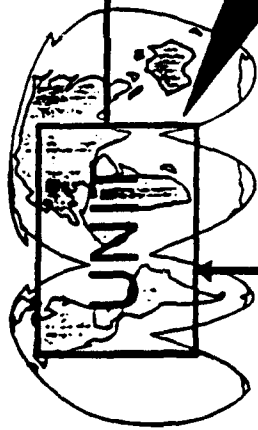
- Special Operations-Peculiar (SOP) Equipment
 - Low Density (LD) & Non-Developmental Items (NDI)
- Service supported common equipment not affected
- Executive agent for designated logistics programs

LOGISTICS OPERATIONS

- Integrated Logistics Support Planning
- Life-Cycle Cost & Support Analysis
- Systems Development & Integration
- Equipment Fielding, Life-Cycle System Support

JOINT OPERATIONAL STOCK (JOS) MANAGEMENT

- Receive, store and issue SOF-Peculiar equipment
- Maintain and refurbish all JOS equipment
 - Through sub-contract
 - Utilization of in-house assets
- Procure for stockage and fielding additional SOF equipment
 - Through national stock system
 - From commercial sources
- Deploy training teams for new equipment when fielded
- Evaluate selected equipment

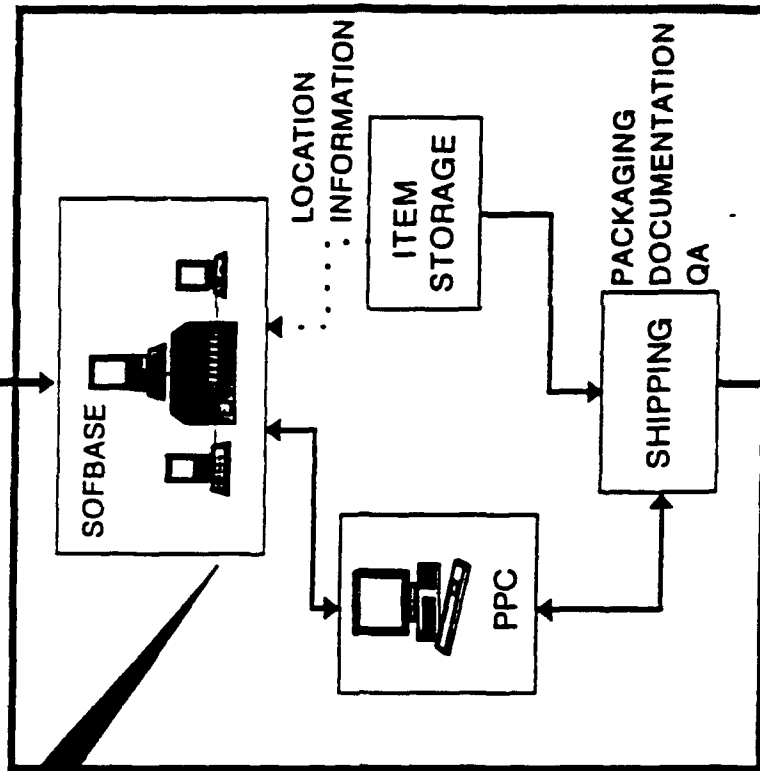


UNIT REQUEST

USSOCOM

- VALIDATE REQUIREMENT
- ESTABLISH RDD
- TASK SOFSA FOR SHIPMENT

ELECTRONIC DETERMINATION
OF EQUIPMENT AVAILABILITY



ITEMS SHIPPED IAW MISSION
REQUIREMENTS TO MEET RDD

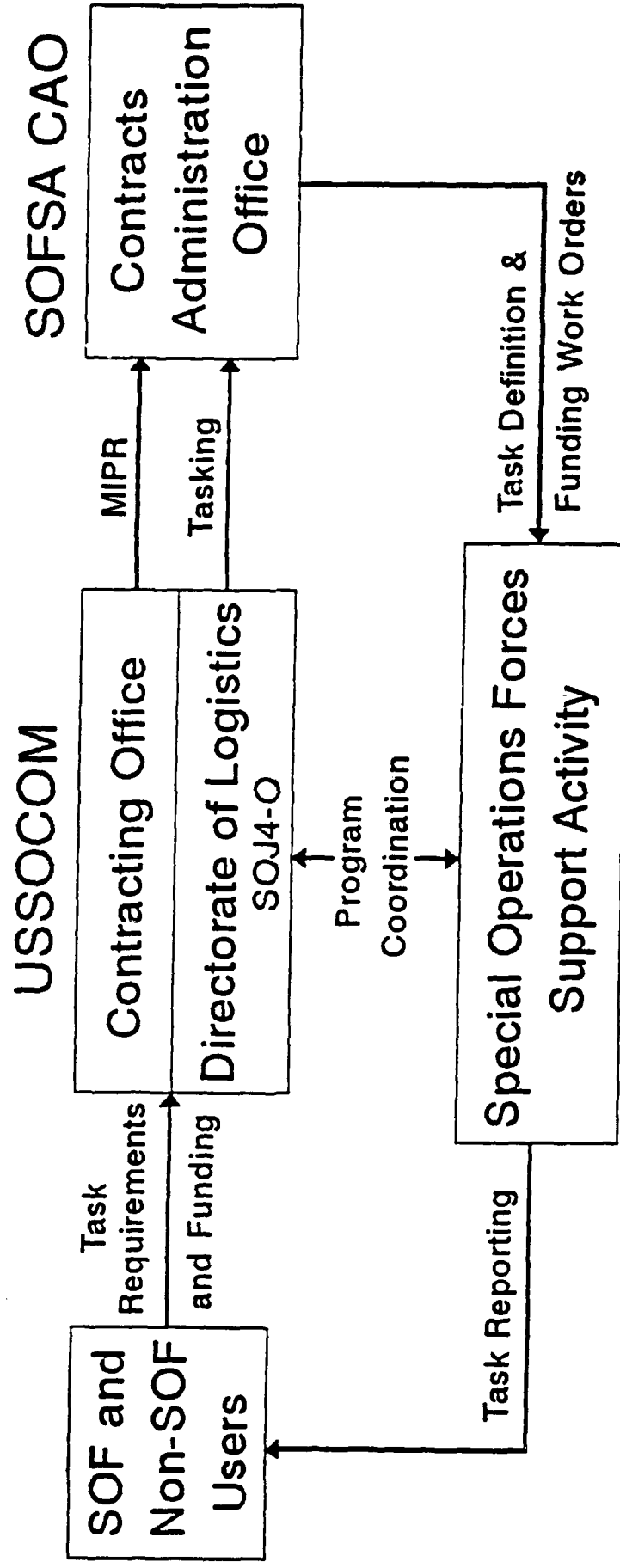
SOFBASE LOGISTICS MIS

- USSOCOM Table of Equipment Distribution & Allowances
 - JOS Stock Record Transaction System
 - SOF Project Management Module
 - SOF LOG Communications & E-Mail
 - SOF-Peculiar Equipment Technical Library
 - Connectivity to SLAMS
 - Management of repair & return
 - Access to other SOF information requirements

SOFSA SUSTAINABILITY SUPPORT

- Repair and Return Program for designated systems
- DX Support to the using or supporting units
- Asset management of SOF unique equipment via SOFBASE Stock Record Account
- In-Theater Contingency Operations Support
 - Based upon equipment densities
 - Deployable Repair & Return Support Team with equipment
 - Deployable Material Management Teams

REQUIREMENTS FLOW



SUMMARY

SPECIAL OPERATIONS-PECULIAR
EQUIPMENT AND SUPPLIES

MAINTENANCE/MODIFICATION
SUPPORT

MATERIAL ACQUISITION &
FIELDING SUPPORT

"ONE STOP SHOP" FOR SOF LOGISTICS SUPPORT

WAREHOUSING & SUPPLY
SUPPORT

ENGINEERING/LOGISTICS
TECHNICAL SUPPORT

RAPID REACTION
AROUND THE CLOCK RESPONSE

SUMMARY

ROUTINE & SECURE CHANNELS

REMOTE ACCESS TO
DATABASE FOR ALL
USERS

SELECTIVE ACCESS TO
INDIVIDUAL CUSTOMER
FILES

FULLY INTEGRATED ELECTRONIC ACCESS
24 HOURS PER DAY/7 DAYS PER WEEK

DETAILED PROJECT TRACKING
(COST, SCHEDULE, DELIVERY)

ON-LINE ISSUE DEMAND
(MRO)